



We have changed our brand to make EFAPEL even more connected to the world, to homes and to people. This way, we can fulfill and renew our ambition: to energize people's daily lives, all over the world.

Now our image is more like us: energetic and technological, but close to everyone. We're more electrifying than ever.

We're still blue, but we want to become even greener, more efficient and more futuristic.

1978
EFAPEL
Founded

1981
2000
2030

1987
Alfa 3000
Mec 3000

1988
10 Years

1992
ORION 2500

1993
2600

1995
APOLO 5000
WATERPROOF 3800
3700

1998
20 Years

1999
Cable Trunkings
SURROUNDING SOUND

2001
WATERPROOF 48

2003
APOLO 5000 COLOUR
47

2004
SIRIUS 70
MEC 21
16 - Cable Trunkings



2008
30 Years

2009
Surrounding Sound
JAZZ Light

2014
QUADRA
Siza
BURÓTICA

2007
MODUS 55
LOGUS 90

2012
LOGUS 90 - ANIMATO

2015
EFAPEL SPAIN
PANELBOARDS
- GAMMA

2018
40 Years

2020
Panelboards
- OMEGA
- BETA

2021
LATINA

2023
45 Years

45 Years
electrifying
the future

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by product family



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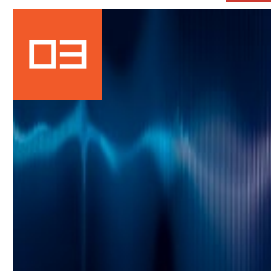
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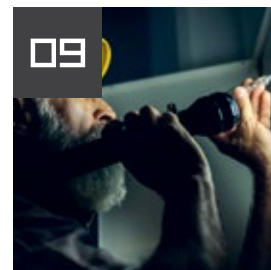
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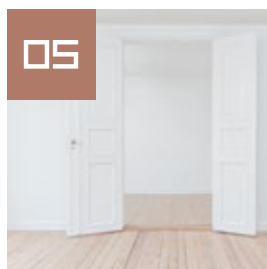
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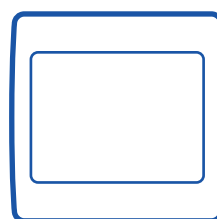
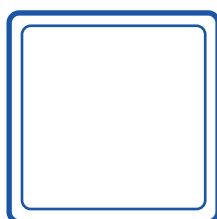
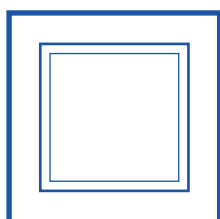


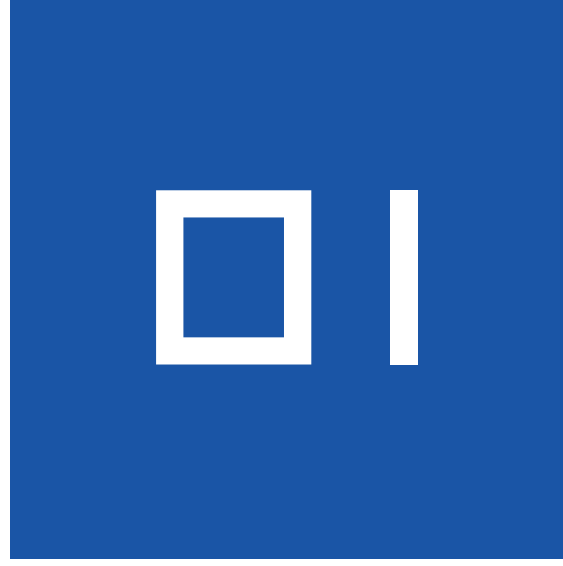
mec21 system

LOGUS 90

APOLO 5000

SIRIUS 70





mec 21

Single type of mechanism system, which in a universe of 3 series, you can choose between different functions.

Variousified design, for a wide choice of functions and finishings.

Once the functions have been defined, colors and finishings are easy to choose.

1. Reference

- the **mechanism** of function;
- the **frame** of the desired finishing;
- the **rocker / cover plate** corresponding to the finishing.

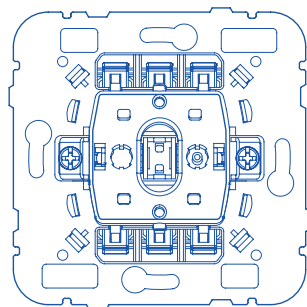
2. Finishing

- add to the frame and rocker / cover plate, reference a two-letter **suffix** corresponding to the **finishing** you need.

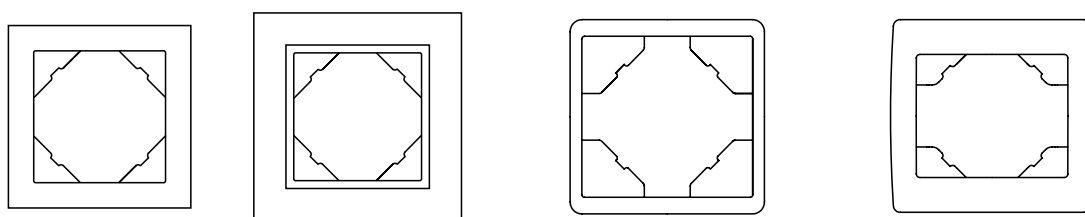


SINGLE TYPE OF MECHANISM,
compatible with freedom of choice

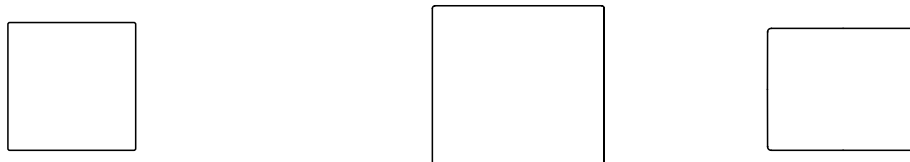
MECHANISM



FRAME



ROCKER / COVER PLATE



LOGUS**90**

APOLO**5000**

SIRIUS**70**





Mendonça Carrião - Atelier • www.mc-a.pt • Photo - Zé Maria Rebelo de Andrade

LOGUS⁹⁰

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- Data, Voice and Image Sockets	27
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standard



BR
White



MF
Ivory

aquarella



GE
Ice



PE
Pearl



AL
Aluminium



IS
Grey



PM
Matte Black



DU
Golden



félizARQS | Daniel Félix Arquitectos • felizarqs.com







PURO Hotel • Gdańsk • Poland

LOGUS⁹⁰

finishings

animato



BB
White/White



JG
Orange/Ice



PG
Matte Black/Ice



MM
Ivory/Ivory



VG
Red/Ice



PA
Matte Black/Aluminium



EE
Ice/Ice



TS
Intense Orange/Grey



PS
Matte Black/Grey



PP
Pearl/Pearl



BS
Intense Red/Grey



RR
Matte Black/Matte Black



RG
Yellow/Ice



AA
Aluminium/Aluminium



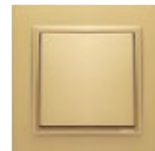
UG
Golden/Ice



DG
Green/Ice



AS
Aluminium/Grey



UU
Golden/Golden



ZG
Blue/Ice



SS
Grey/Grey

metallo

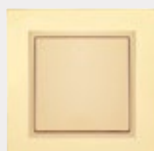
TP
Titanium/Pearl

IA
Inox/Aluminium

OP
Gold/Pearl

QS
Nickel/Grey

US
Aluminium/Grey

RS
Chrome/Grey

OU
Gold/Golden

crystal

CG
Cristal/Ice

CP
Cristal/Pearl

CA
Cristal/Aluminium

CS
Cristal/Grey

EG
Black Cristal/Ice

EA
Black Cristal/Aluminium

ES
Black Cristal/Grey

EP
Black Cristal/Matte Black

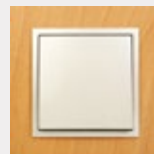
petra

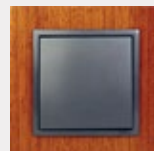
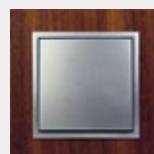
GG
Granite/Ice

GP
Granite/Pearl

GA
Granite/Aluminium

GS
Granite/Grey

arbore

FP
Beech Wood/Pearl

JP
Cherry Tree/Pearl

MS
Mahogany/Grey

NA
Walnut Tree/Aluminium

NOTE:
Product with finishing in natural wood.
Color for illustrative purposes

Pure

Finishings with natural materials such as glass, metal, wood and stone, LOGUS90 provides variety, luxury and refinement.

control devices

ref.

	Single Pole Switch 10 AX - 250 V ~	21011
	Single Pole Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting. Replacement LED - page 32.	21012
	Single Pole Switch with Pilot Lamp 10 AX - 250 V ~ Replacement LED - page 32.	21013
	Two-pole Switch 10 AX - 250 V ~	21021
	Two-pole Switch with Pilot Lamp 10 AX - 250 V ~ Replacement LED - page 32.	21023
	Card-system Timer Switch  new 16 A (cos φ = 1) - 100 - 240 V ~ I 50 - 60 Hz Operating time regulation: 0 seconds to 60 seconds Output: NO or NC Voltage free output contact. See Technical Data Sheet - page 268	21033
	Card-system Switch  10 AX - 250 V ~ Single Pole Switch with Orienting Light function. Two-way Switch function (NO + NC). For ATM card type (Ref. 21999). To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting. Replacement LED - page 32.	21031
	Timer Switch  new 16 A (cos φ = 1) - 100 - 240 V ~ I 50 - 60 Hz Operating time regulation: 0 seconds to 15 minutes Output: NO or NC Voltage free output contact. See Technical Data Sheet - page 267	21040
	One Circuit Digital Time Switch  6 A (cos φ = 1) - 230 V ~ I 50/60 Hz Type of outputs: ON, OFF and PULSE See Technical Data Sheet - page 269	21041
	Two Circuits Digital Time Switch  6 A + 6 A (cos φ = 1) - 230 V ~ I 50/60 Hz Type of outputs: ON, OFF and PULSE See Technical Data Sheet - page 269	21042

rockers / cover plates

ref.

color

	Rocker for Switches	90601 T
	Rocker for Lighted Switches	90602 T
	Rocker for Lighted Switches / Push-button with Lamp Symbol	90797 T
	Rocker for Switches	90601 T
	Rocker for Two-pole Switch	90608 T
	Rocker for Lighted Switches	90602 T
	Rocker for Lighted Switches / Push-button with "HEIZUNG NOTSCHALTER" tamperography	90798 T
	Rocker for Lighted Switches / Push-button with Lamp Symbol	90797 T
	Cover Plate for Card-system Timer Switch	90733 T
	Cover Plate for Card-system Switch	90731 T
	Rocker for Timer Switch	90745 T
	Cover Plate for One Circuit Digital Time Switch	90743 T
	Cover Plate for Two Circuits Digital Time Switch	90744 T

BR MF
GE PE AL
IS PM DU

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden.

   - Screw Connection ECO - Saving energy and contributing to energy efficiency.

control devices		ref.	rockers / cover plates		ref.	color
	Two Circuits Switch 10 AX - 250 V ~	21061		Double Rockers	90611 T	
	Two Circuits Switch with Orienting Light 10 AX - 250 V ~ Two Circuits Switch with Orienting Light function. To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.	21066		Rockers for Double-function Mechanism with Orienting Light	90615 T	
	Two Circuits Switch with Pilot Lamp 10 AX - 250 V ~ Two Circuits Switch with Pilot Lamp function	21067				
	Three Circuits Switch 10 AX - 250 V ~	21088		Triple Rockers	90661 T	
	Two-way Switch 10 AX - 250 V ~	21071		Rocker for Switches	90601 T	
	Two-way Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting. Replacement LED - page 32.	21072		Rocker for Switches with Two Fan Symbols	90609 T	
	Two-way Switch with Pilot Lamp 10 AX - 250 V ~ Replacement LED - page 32.	21073		Rocker for Lighted Switches	90602 T	BR MF GE PE AL IS PM DU
	Double Two-way Switch 10 AX - 250 V ~	21101		Double Rockers	90611 T	
	Double Two-way Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.	21202		Double Rocker for Two-way Switch Fan	90616 T	
	Double Two-way Switch with Pilot Lamp 10 AX - 250 V ~	21203		Rockers for Double-function Mechanism with Orienting Light	90615 T	
	Intermediate Switch 10 AX - 250 V ~	21051		Rocker for Switches	90601 T	
	Double Intermediate Switch 10 AX - 250 V ~	21204		Rockers for Double-function Mechanism	90614 T	

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden.

⊖ / ⓈPZX / ⓈPHX - Screw Connection

control devices

ref.

**Intermediate Switch with Orienting Light**

10 AX - 250 V ~

To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.

Replacement LED - page 32.

21052**Double Intermediate Switch with Orienting Light**

10 AX - 250 V ~

To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.

21205**Rocker Push-button**

10 A - 250 V ~

21151**Rocker Push-button with Orienting Light 250 V ~**

10 A - 250 V ~

Replacement LED - page 32.

21152**Rocker Push-button with Independent Pilot Lamp**

10 A - 250 V ~

Replacement LED - page 32.

21153**Rocker Push-button with Orienting Light 12 V ~**

6 A - 12 V ~

Replacement LED - page 32.

21162**Rocker Push-button with Identification 250 V ~**

10 A - 250 V ~

21155**Rocker Push-button with Identification 12 V ~**

6 A - 12 V ~

21165**Double Rocker Push-button**

10 A - 250 V ~

21156**Double Rocker Push-button (2 NO + 2 NC)**

10 A - 250 V ~

21154**Double Rocker Push-button with Orienting Light 250 V ~**

10 A - 250 V ~

21206**Double Rocker Push-button with Orienting Light 12 V ~**

6 A - 12 V ~

21207

rockers / cover plates

ref.

color



Rocker for Lighted Switches

90602 T

Rockers for Double-function Mechanism with Orienting Light

90615 T

Rocker for Switches

90601 T

Rocker for Switches with Lock Symbol

90604 T

Rocker for Switches with Bell Symbol

90605 T

Rocker for Switches with Maid Symbol

90606 T

Rocker for Switches with Lamp Symbol

90607 T

Rocker for Lighted Switches

90602 T

Rocker for Lighted Switches / Push-button with Lock Symbol

90794 T

Rocker for Lighted Switches / Push-button with Bell Symbol

90795 T

Rocker for Lighted Switches / Push-button with Maid Symbol

90796 T

Rocker for Lighted Switches / Push-button with Lamp Symbol

90797 TBR MF
GE PE AL
IS PM DU

Rocker for Switches with Identification Card

90603 T

Double Rockers

90611 T

Rockers for Double-function Mechanism with Orienting Light

90615 T

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden.

control devices

ref.

	Two-way Switch / Rocker Push-button 10 AX - 250 V ~	21158
	Rocker Push-button / Two-way Switch 10 AX - 250 V ~	21159
	Two-way Switch with Orienting Light / Rocker Push-button with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.	21208
	Rocker Push-button with Orienting Light / Two-way Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.	21209
	Electronic Very Low Voltage 4-Gang Push-button 12 V ~ - 50 mA / 32 V ~ - 18 mA See Technical Data Sheet - page 270	21164
	Rotary Switch 10 AX - 250 V ~	21306
	Rotary Two-way Switch 10 AX - 250 V ~ ON - OFF - ON.	21307
	3 Positions Rotary Switch 16 (4) A - 250 V ~	21300
	4 Positions Rotary Switch 16 (4) A - 250 V ~	21305
	Key Lock Two-way Switch 10 AX - 250 V ~ ON - OFF - ON It allows to remove the key in 3 positions.	21352
	Key Lock Push-button 10 A - 250 V ~ ON - OFF - ON Allows key removal in OFF position.	21351
	Pull-cord Two-way Switch 10 AX - 250 V ~ NO + NC	21092
	Pull-cord Push-button 10 A - 250 V ~ NO	21091
	Pull-cord Push-button (NO + NC) 10 A - 250 V ~ NO + NC	21090

rockers / cover plates

ref.

color

	Double Rockers	90611 T
	Rockers for Double-function Mechanism with Orienting Light	90615 T
	Four-Gang Rocker	90600 T
	Double Rockers for Electronic Mechanisms	90610 T
	Cover Plate for Rotary Switch (ON/OFF)	90762 T
	Cover Plate for Rotary Push-button / Two-way Switch	90761 T
	Cover Plate for Rotary Two-way Switch (I, O, II)	90760 T
	Cover Plate for 3 Positions Rotary Switch	90765 T
	Cover Plate for 4 Positions Rotary Switch	90766 T
	Cover Plate for Key Lock Push-button / Two-way Switch	90351 T
	Cover Plate for Pull-cord Push-button / Two-way Switch Cord with approximately 65 cm.	90741 T

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden.

⊖ / ⓈPZX / ⓈPHX - Screw Connection

control devices

ref.

blinds control

Venetian Switch

10 A - 250 V ~
Switch function.
Electrical and mechanical blockade against two occasional simultaneous orders.
Toggles automatically one rocker when the other is pressed.

21290

Venetian Switch with Mechanical Blockage

10 A - 250 V ~
Switch function.
Electrical and mechanical blockade against two occasional simultaneous orders.
It is necessary to press "STOP" before changing the direction of movement.

21291

General Blinds Control Module with Infrared Remote Control

100 V ~ - 240 VA | 50 - 60 Hz
240 V ~ - 500 VA | 50 - 60 Hz
Possibility to use the Infrared Remote Control Transmitter Multifunctions (Ref. 81900).
2 programmable functions (Up/Down).
Function: "Standby".

21311

 See Technical Data Sheet - page 278Local Blinds Control Module with Infrared Remote Control

100 V ~ - 240 VA | 50 - 60 Hz
240 V ~ - 500 VA | 50 - 60 Hz
Possibility to use the Infrared Remote Control Transmitter Multifunctions (Ref. 81900).

21312

 See Technical Data Sheet - page 278

Venetian Double Push-button

10 A - 250 V ~
Push-button function.
Electrical blockade against two occasional simultaneous orders.

21281

Venetian Double Push-button for Multiple Points Blinds Control

10 A - 250 V ~
Push-button function.
Electrical blockade against two occasional simultaneous orders.
It allows to control a blind from several points.
To be used with Relay for Blinds Control (Ref. 81511).

21283

Rotary Push-button

10 A - 250 V ~
ON - OFF - ON.

21303

 PZ2

dimmers

Dimmer RLC Switch

100 - 240 V ~ | 50 - 60 Hz
5 - 250 W/VA
5 - 75 W LED's
No need for a neutral line (directly replaces a Single Pole Switch).
Possibility to pre-set lighting: Orienting Light, Pilot Lamp, Always ON and OFF

21218

 See Technical Data Sheet - page 261Ferromagnetic Dimmer/Two-way Switch 500 VA RL

20 - 500 W/VA

21211

 See Technical Data Sheet - page 258Electronic Dimmer/Two-way Switch 550 W RC

20 - 550 W/VA
Silent

21213

 See Technical Data Sheet - page 258Ferromagnetic Dimmer/Two-way Switch for Energy Saving Lamps 110 VA RL

7 - 110 W/VA
3 - 35 W LED's
Dimmable LEDs

21214

 See Technical Data Sheet - page 258

rockers / cover plates

ref.

color



Rockers for Venetian Switch

90613 T



Cover Plate for General Blinds Control Module with Infrared Remote Control

90311 T



Cover Plate for Local Blinds Control Module with Infrared Remote Control

90312 T

BR MF
GE PE AL
IS PM DU

Rockers for Venetian Push-button

90612 T



Cover Plate for Rotary Push-button / Two-way Switch

90761 T



Rockers for Dimmer

90747 T

BR MF
GE PE AL
IS PM DU

Cover Plate for Dimmer / Two-way Switch

90721 T

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden.

   - Screw Connection ECO - Saving energy and contributing to energy efficiency.

control devices

ref.

rockers / cover plates

ref.

color

dimmers

**Electronic Dimmer/Two-way Switch for Low Power Lamps 150 W RC** e

15 - 150 W/VA
3 - 50 W LED's
Dimmable LED's
Silent

21215

[See Technical Data Sheet - page 258](#)

**Ferromagnetic Dimmer/Two-way Switch for Energy Saving Lamps 250 W/VA RL** e

20 - 250 W/VA
3 - 85 W LED's
Dimmable LED's

21216

[See Technical Data Sheet - page 258](#)

**Electronic Dimmer/Two-way Switch for Low Power Lamps 450 W/VA RC** e

15 - 450 W/VA
5 - 150 W LED's
Dimmable LED's
Silent

21217

[See Technical Data Sheet - page 258](#)

**Dimmer for Fluorescent Lamps with Electronic Ballast EVG 1-10V** e

I_{max} - 40 mA
Silent

21210

[See Technical Data Sheet - page 258](#)

**Speed Controller for Induction Motors 600 VA** e

25 - 600 VA

21219

[See Technical Data Sheet - page 258](#)



Cover Plate for Dimmer /
Two-way Switch

90721 T

BR MF
GE PE AL
IS PM DU

motion detectors

ref.

rockers / cover plates

ref.

color

**Motion Detector - 1000 W** e new

100 - 240 V ~ I 50 - 60 Hz
Light sensitivity and operating time adjustment.
Range of detection: 12 meters
Angle of detection: 160°
Inverter contact, voltage free
Relay output, compatible with all types of electric loads.

21401

[See Technical Data Sheet - page 271](#)

**Motion Detector - 400 W** e new

100 - 240 V ~ I 50 - 60 Hz
Light sensitivity and operating time adjustment.
Range of detection: 12 meters
Angle of detection: 160°
Inverter contact, voltage free
Relay output, compatible with all types of electric loads.

21402

[See Technical Data Sheet - page 271](#)

**Motion Detector Wall Installation - 1000 W** e new

100 - 240 V ~ I 50 - 60 Hz
Wall installation with frontal push-button
Light sensitivity and operating time adjustment.
Range of detection: 9 meters
Angle of detection: 160°
Inverter contact, voltage free
Relay output, compatible with all types of electric loads.

21403

[See Technical Data Sheet - page 273](#)

**Motion Detector Wall Installation - 400 W** e new

100 - 240 V ~ I 50 - 60 Hz
Wall installation with frontal push-button
Light sensitivity and operating time adjustment.
Range of detection: 9 meters
Angle of detection: 160°
Inverter contact, voltage free
Relay output, compatible with all types of electric loads.

21404

[See Technical Data Sheet - page 273](#)



Cover Plate for Motion Detector

90401 T



Cover Plate for Motion Detector Wall
Installation

90403 T

BR MF
GE PE AL
IS PM DU

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden.

/ / - Screw Connection

e ECO - Saving energy and contributing to energy efficiency.

temperature control

ref.

	Rotary Thermostat  new	
	16 A (cos φ = 1) - 100 - 240 V ~ 50 - 60 Hz Temperature adjustment: +5 °C to 30 °C Range of temperature readings: -9 °C to 35 °C Systems control: heating and/or cooling. Possibility of connecting the Floor Temperature Sensor (Ref. 81950), with automatic self-detection (for Protection only). Anti Freeze Protection (Heating) and Thermal Protection (Cooling). See Technical Data Sheet - page 275	21234

	Multifunctional Thermostat  new	
	16 A (cos φ = 1) - 100 - 240 V ~ 50 - 60 Hz Temperature control precision: 0,5 °C Range of temperature readings: -9 °C to 35 °C Systems control: heating and/or cooling. Possibility of connecting the Floor Temperature Sensor (Ref. 81950), with automatic self-detection. Temperature reading: Ambient or Temperature Sensor or both. Possibility of remote control with Multifunctions IR Remote Control Transmitter (Ref. 81900). Compatible with electrical and hydraulic systems. Anti Freeze Protection (Heating) and Thermal Protection (Cooling). See Technical Data Sheet - page 276	21236

	Multifunctional Chronothermostat  new	
	16 A (cos φ = 1) - 100 - 240 V ~ 50 - 60 Hz Allows daily/weekly programming Temperature control precision: 0,5 °C Range of temperature readings: -9 °C to 35 °C Systems control: heating and/or cooling. Possibility of connecting the Floor Temperature Sensor (Ref. 81950), with automatic self-detection. Temperature reading: Ambient or Temperature Sensor or both. Compatible with electrical and hydraulic systems. Anti Freeze Protection (Heating) and Thermal Protection (Cooling). See Technical Data Sheet - page 277	21235

	Floor Temperature Sensor for Thermostat and Chronothermostat	
	Length: 4 m -10 °C to 50 °C IP67 NTC 12 K/25 °C	81950

orientation and light indicators

ref.

	White Orientation Light new	
	100 - 240 V ~ 50 - 60 Hz L1 - 0,2 W; L2 - 0,4 W (4000 K) See Technical Data Sheet - page 266	21388
	White Orientation Light with Battery	
	100 - 240 V ~ 50 - 60 Hz L1 - OFF Signaling; L2 - ON Signaling. See Technical Data Sheet - page 266	21389

	Led Pilot Light (White)	
	100 - 240 V ~ 50 - 60 Hz L1 - 0,2 W; L2 - 0,4 W (4000 K) See Technical Data Sheet - page 263	21361
	Led Pilot Light Double State Green/Red	
	100 - 240 V ~ 50 - 60 Hz L1 - RED - 0,4 W; L2 - GREEN - 0,4 W See Technical Data Sheet - page 263	21365

	Buzzer	
	250 V ~ - 50 Hz Type D. 5/15 seconds See Technical Data Sheet - page 254	21990

rockers / cover plates

ref.

color

	Cover Plate for Rotary Thermostat	90746 T	
---	-----------------------------------	----------------	--

	Cover Plate for Multifunctional Thermostat	90749 T	BR MF GE PE AL IS PM DU
---	--	----------------	-------------------------------

	Cover Plate for Multifunctional Chronothermostat	90748 T	
---	--	----------------	--

rockers / cover plates

ref.

color

	Cover Plate for Orientation Light	90782 T	BR MF GE PE AL IS PM DU
---	-----------------------------------	----------------	-------------------------------

	Cover for Pilot Light	90781 T	IC LR VD VM
---	-----------------------	----------------	----------------

	Cover Plate for Loudspeaker of 2" - 32 Ohm / Buzzer	90710 T	BR MF GE PE AL IS PM DU
---	---	----------------	-------------------------------

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden; IC - Colorless; LR - Orange; VD - Green; VM - Red.

⊖ /  /  - Screw Connection

 ECO - Saving energy and contributing to energy efficiency.

data, voice and image sockets

ref.

rockers / cover plates

ref.

color

data sockets

RJ45 Cat. 6A UTP Socket **new**
[See Technical Data Sheet - page 346](#)



21590

RJ45 Cat. 6 UTP Socket
[See Technical Data Sheet - page 346](#)



21455



RJ45 Cat. 6A STP Socket **new**
[See Technical Data Sheet - page 347](#)



21592

RJ45 Cat. 6 STP Socket
[See Technical Data Sheet - page 347](#)

21445

RJ45 Cat. 5e UTP Socket

21453

RJ45 Cat. 5e STP Socket
[See Technical Data Sheet - page 347](#)

21443



RJ45 Socket Adapter
 (Without connector)

21976



Cover Plate for Single RJ45 Computer Sockets

90751 T

BR MF
GE PE AL
IS PM DU

RJ45 connectors



RJ45 Cat. 6A UTP Connector **new**
 (500 MHz)
[See Technical Data Sheet - page 346](#)



82021



RJ45 Cat. 6 UTP Connector
 (250 MHz)
[See Technical Data Sheet - page 346](#)



21978



RJ45 Cat. 6 UTP Connector - Rack Assembly
 (250 MHz)
[See Technical Data Sheet - page 347](#)

82020



Cover Ring with Single Support for RJ45 Connectors

90441 S



RJ45 Cat. 5e UTP Connector
 (100 MHz)

21975



RJ45 Cat. 6A STP Connector **new**
 (500 MHz)
[See Technical Data Sheet - page 347](#)



82022



Cover Ring with Double Support for RJ45 Connectors

90442 S



RJ45 Cat. 6 STP Connector
 (250 MHz)
[See Technical Data Sheet - page 347](#)

21988



RJ45 Cat. 5e STP Connector
 (100 MHz)
[See Technical Data Sheet - page 347](#)

21985

BR MF
GE PE AL
IS PM DU

couplers for fiber optic connectors



Coupler for SC APC Duplex Fiber Optic Connector
[See Technical Data Sheet - page 348](#)

82211



Cover Plate for Coupler for SC APC Duplex Fiber Optic Connector

90448 S



Coupler for SC APC Simplex Fiber Optic Connector
[See Technical Data Sheet - page 348](#)

82210



Cover Plate for Coupler for SC APC Simplex / LC Duplex Fiber Optic Connector

90449 S

BR MF
GE PE AL
IS PM DU



Coupler for LC Duplex Fiber Optic Connector
[See Technical Data Sheet - page 348](#)

82213



Protective Cover for Coupler for SC APC Simplex Fiber Optic Connector

82970



Protective Cover for Coupler for SC APC Duplex Fiber Optic Connector

82971

S - Semi-assembled; T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden.

- Power over Ethernet

data, voice and image sockets

ref. color

telephone sockets

50 V ~ 70 V ~



Telephone Socket
(4 conductors)

21252 S

BR MF
CZ

8 CONTACTS



T8 French Telephone Socket

21411



rockers / cover plates

ref. color



Cover Plate for Telephone Socket

90712 T

BR MF
GE PE AL
IS PM DU



Cover Plate for T8 French Telephone Socket

90718 T

BR MF
GE PE AL
IS PM DU

radio, television and satellite sockets

ref.

ref.

color

STAR CONNECTION



R - TV - SAT Socket Star Connection

4 - 47 MHz: < 2 dB
47 - 108 MHz: < 20 dB
108 - 862 MHz: < 2 dB
950 - 2400 MHz: < 3 dB
Current flow 500 mA (DC)

[See Technical Data Sheet - page 285](#)

21543



Cover Plate for R - TV - SAT Socket

90775 T



R - TV Socket Star Connection

4 - 47 MHz: < 2 dB
47 - 108 MHz: < 2 dB
108 - 1000 MHz: < 1 dB

[See Technical Data Sheet - page 285](#)

21533



Cover Plate for R - TV Socket

90776 T

SERIAL CONNECTION



R - TV - SAT Socket (Terminal Type)

4 - 47 MHz: < 9 dB
47 - 108 MHz: < 15 dB
108 - 862 MHz: < 9 dB
950 - 2400 MHz: < 6 dB
Current flow 500 mA (DC)

[See Technical Data Sheet - page 285](#)

21555



Cover Plate for R - TV - SAT Socket

90775 T

BR MF
GE PE AL
IS PM DU



R - TV - SAT Socket (Crossover Type)

4 - 47 MHz: < 10 dB
47 - 108 MHz: < 20 dB
108 - 862 MHz: < 10 dB
950 - 2400 MHz: < 11 dB
Current flow 500 mA (DC)
Insertion losses: 3 dB

[See Technical Data Sheet - page 285](#)

21565



R - TV Socket (Terminal Type)

4 - 47 MHz: < 8 dB
47 - 108 MHz: < 8 dB
108 - 1000 MHz: < 7 dB

[See Technical Data Sheet - page 285](#)

21554



R - TV Socket (Crossover Type)

4 - 47 MHz: < 9 dB
47 - 108 MHz: < 9 dB
108 - 1000 MHz: < 9 dB
Insertion losses: 2 dB.

[See Technical Data Sheet - page 285](#)

21564



Cover Plate for R - TV Socket

90776 T

multimedia sockets

STAR CONNECTION



R - TV - SAT - RJ45 Cat. 6A UTP - FO SC-APC Multimedia Socket for Star Connection

4 - 47 MHz: < 2 dB
47 - 108 MHz: < 20 dB
108 - 862 MHz: < 2 dB
950 - 2400 MHz: < 3 dB
Current flow 500 mA (DC)

[See Technical Data Sheet - page 285](#)

new



21548



Cover Plate for
R - TV - SAT - RJ45 /
R - TV - SAT - RJ45 - FO
Multimedia Socket

90770 T

BR MF
GE PE AL
IS PM DU

S - Semi-assembled; T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden; CZ - Grey.

⊖ / ⊕ PZ2 / ⊕ PHX - Screw Connection

- Power over Ethernet

data, voice and image sockets

ref.

rockers / cover plates

ref.

color

multimedia sockets					
STAR CONNECTION					
	R - TV - SAT - RJ45 Cat. 6 UTP - FO SC-APC Multimedia Socket for Star Connection 4 - 47 MHz: < 2 dB 47 - 108 MHz: < 20 dB 108 - 862 MHz: < 2 dB 950 - 2400 MHz: < 3 dB Current flow 500 mA (DC) See Technical Data Sheet - page 285	 21545			
	R - TV - SAT - RJ45 Cat. 6A UTP Multimedia Socket for Star Connection To be used with a SC APC Simplex or LC Duplex Fiber Optic Connector - page 171. 4 - 47 MHz: < 2 dB 47 - 108 MHz: < 20 dB 108 - 862 MHz: < 2 dB 950 - 2400 MHz: < 3 dB Current flow 500 mA (DC) See Technical Data Sheet - page 285	  21547		Cover Plate for R - TV - SAT - RJ45 / R - TV - SAT - RJ45 - FO Multimedia Socket	90770 T
	R - TV - SAT - RJ45 Cat. 6 UTP Multimedia Socket for Star Connection To be used with a SC APC Simplex or LC Duplex Fiber Optic Connector - page 171. 4 - 47 MHz: < 2 dB 47 - 108 MHz: < 20 dB 108 - 862 MHz: < 2 dB 950 - 2400 MHz: < 3 dB Current flow 500 mA (DC) See Technical Data Sheet - page 285	 21544			
	R - TV - RJ45 Cat. 6 UTP - FO SC-APC Multimedia Socket for Star Connection 4 - 47 MHz: < 2 dB 47 - 108 MHz: < 20 dB 108 - 862 MHz: < 2 dB 950 - 2400 MHz: < 3 dB Current flow 500 mA (DC) See Technical Data Sheet - page 285	21546		Cover Plate for R - TV - SAT - 2xRJ45 Multimedia Socket	90773 T BR MF GE PE AL IS PM DU
	R - TV - RJ45 Cat. 6A UTP - FO SC-APC Multimedia Socket for Star Connection 4 - 47 MHz: < 2 dB 47 - 108 MHz: < 2 dB 108 - 1000 MHz: < 1 dB See Technical Data Sheet - page 285	  21537			
	R - TV - RJ45 Cat. 6 UTP - FO SC-APC Multimedia Socket for Star Connection 4 - 47 MHz: < 2 dB 47 - 108 MHz: < 2 dB 108 - 1000 MHz: < 1 dB See Technical Data Sheet - page 285	 21535			
	R - TV - RJ45 Cat. 6A UTP Multimedia Socket for Star Connection To be used with a SC APC Simplex or LC Duplex Fiber Optic Connector - page 171. 4 - 47 MHz: < 2 dB 47 - 108 MHz: < 2 dB 108 - 1000 MHz: < 1 dB See Technical Data Sheet - page 285	  21536		Cover Plate for R - TV - RJ45 / R - TV - RJ45 - FO Multimedia Sockets	90774 T
	R - TV - RJ45 Cat. 6 UTP Multimedia Socket for Star Connection To be used with a SC APC Simplex or LC Duplex Fiber Optic Connector - page 171. 4 - 47 MHz: < 2 dB 47 - 108 MHz: < 2 dB 108 - 1000 MHz: < 1 dB See Technical Data Sheet - page 285	 21534			

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden

 - Power over Ethernet

USB chargers

ref.

**USB Double Charger Type A with Output 20°**

100 - 240 V ~ 150 - 60 Hz - 5 V $\equiv$ 3 A
Two USB type A output

21384

[See Technical Data Sheet - page 282](#)

**USB Double Charger Type A + Type C** new

100 - 240 V ~ 150 - 60 Hz - 5 V $\equiv$ 3 A
One USB type A output + one USB type C output

21381

[See Technical Data Sheet - page 282](#)

**USB Double Charger Type C** new

100 - 240 V ~ 150 - 60 Hz - 5 V $\equiv$ 3 A
Two USB type C output

21382

[See Technical Data Sheet - page 282](#)

**USB Charger Type C Power Delivery 30W** new

100 - 240 V ~ 150 - 60 Hz - 30 W
One USB type C output

21398

[See Technical Data Sheet - page 282](#)

energy sockets

ref.

**Earth Socket (Schuko Type) with Screwless Terminals**

16 A - 250 V ~

21130

[See Technical Data Sheet - page 223](#)

**Earth Socket (Schuko Type)**

16 A - 250 V ~

21131

[See Technical Data Sheet - page 223](#)

**Earth Socket (Schuko Type) with USB** new

16 A - 250 V ~ 150/60 Hz

21137

[See Technical Data Sheet - page 253](#)

**Single Phase Socket**

16 A - 250 V ~

21121**Earth Socket (French Type) with Screwless Terminals**

16 A - 250 V ~

21110

[See Technical Data Sheet - page 223](#)

**Earth Socket (French Type)**

16 A - 250 V ~

21111

[See Technical Data Sheet - page 223](#)

rockers / cover plates

ref.

color



Cover Plate for USB Double Charger
Type A with Output 20°

90673 T

BR MF
GE PE AL
IS PM DU



Cover Plate for USB Double Charger
Type A + Type C

90674 Tnew

Cover Plate for USB Double Charger
Type C

90675 Tnew

BR MF
GE PE AL
IS PM DU



Cover Plate for USB Charger
Type C Power Delivery

90676 Tnew

rockers / cover plates

ref.

color



Safety Cover Plate for Earth Socket
(Schuko Type)

90632 T

BR MF
GE PE AL
IS PM DU
LR VD VM



Cover Plate for Earth Socket
(Schuko Type)

90631 T

Cover Plate for Schuko Socket
with Safety and Hinged Lid (IP44)

90634 T

BR MF
GE PE AL
IS PM DU
VD VM



Monoblock Cover for Safety Earth
Socket (Schuko Type)

90903 T

BR MF
GE PE AL
IS PM DU



Monoblock Cover for Earth Socket
(Schuko Type)

90902 T

Cover Plate for Earth Socket
Schuko + USB Type A and Type C

90630 Tnew

BR MF
GE PE AL
IS PM DU



Safety Cover Plate for Single Phase
Socket

90622 T

BR MF
GE PE AL
IS PM DU



Safety Cover Plate for Earth Socket
(French Type)

90652 T

BR MF
GE PE AL
IS PM DU
LR VD VM



Cover Plate for French Socket
with Safety and Hinged Lid (IP44)

90654 T

BR MF
GE PE AL
IS PM DU
VD VM



Monoblock Cover for Safety Earth
Socket (French Type)

90904 T

BR MF
GE PE AL
IS PM DU

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden; LR - Orange; VD - Green; VM - Red.

⊖ / PZK / PHK - Screw Connection

accessories

ref. color

various

**IP44 Kit for MEC 21 Mechanisms - Single Rocker**
[i See Technical Data Sheet - page 224](#)
21981**IP44 Kit for MEC 21 Mechanisms - Double Rockers**
[i See Technical Data Sheet - page 224](#)
21982**Cover for Mechanisms Protection**

Compatible with all Mec21 mechanisms.

21971**Level and Mounting Accessory for MEC 21 Mechanisms****21989****Card for Card-system Switch****21999****Long Claw for Mechanisms MEC 21**

Compatible with Control Devices.

21998**Double Rockers for Electronic Mechanisms**

Compatible with ref. 21164.

90610 T**Cover Plate for R - TV Socket Multibrand 2 Outputs**

30 mm between hole centres.

[i See Dimensions - page 225](#)
90685 T**Cover Plate for R - TV - SAT Socket Multibrand 2 Outputs**

30 mm between hole centres.

[i See Dimensions - page 225](#)
90686 T**Cover Plate for R - TV - SAT Socket Multibrand 3 Outputs**

30 mm between hole centres.

[i See Dimensions - page 225](#)
90680 TBR MF
GE PE AL
IS PM DU**TAE/TDO Cover for 1 to 3 Outputs****90714 T****UAE Cover for 1 to 3 Outputs (45°)****90716 T****Universal Cover Ring / Adapter for 45x45 Modules****90881 T**BR MF
GE PE AL
IS PM DU
VM**Adapter 50x50****90882 T**BR MF
GE PE AL
IS PM DU**Replacement LED for MEC 21 / 48 Series - 250 V ~**

For replacement in orienting light and pilot light mechanisms.

81019**Replacement LED for MEC 21 / 48 Series - 12 V ~**

For replacement in orienting light and pilot light mechanisms.

81018**Infrared Remote Control Transmitter Multifunctions**

To control the Multifunctional Thermostat.

For controlling Blinds Controls.

Works with CR 2032 battery, not included.

81900

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden; VM - Red.

accessories

ref. color

surface and flush-mounted boxes

**LOGUS 90 Series / Mec Q45 Series Surface Mounting Box**

In the Mec Q45 Series, only applicable with Single Frames.

10976 A**LOGUS 90 Series Surface Double Mounting Box****10994 A**BR MF
GE PE AL
IS PM DU**LOGUS 90 Series Surface Triple Mounting Box****10995 A****Flush Mounting Box**

To be used in installations with trunkings with L75 Covers.

10984 A**Semi-Flush Mounting Box**

To be used in installations with trunkings with L75 Covers.

10985 A

BR

relays for blinds controls

**Automatic Relay for Blinds Control**

6 A - 230 V ~ I 50 Hz

Temporized.

Connect to the Double Push-buttons and to the Venetian Double Push-buttons.

[See Technical Data Sheet - page 280](#)**81512****Relay for Blinds Control**

6 A - 230 V ~ I 50 Hz

Not temporized.

Connect locally to Venetian Double Push-button (Ref. 21283 / 45283 S).

[See Technical Data Sheet - page 280](#)**81511**

complete devices

ref. color

**Monoblock Safety Earth Socket (Schuko Type) with Screwless Terminals**

16 A - 250 V ~

90139 C**Monoblock Safety Earth Socket (Schuko Type)**

16 A - 250 V ~

90138 C**Monoblock Earth Socket (Schuko Type)**

16 A - 250 V ~

90135 C**Monoblock Double Safety Earth Socket (Schuko Type)**

16 A - 250 V ~

90332 CBR MF
GE PE AL
IS PM DU**Monoblock Double Earth Socket (Schuko Type)**

16 A - 250 V ~

90331 C**Earth Socket (British Type) with Switch**

13 A - 250 V ~

90184 C**Earth Socket (British Type) with Switch and Pilot Lamp**

13 A - 250 V ~

90183 C

A - Accessory; C - Complete Device. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden.

⊖ / ⚡PZ2 / ⚡PHX - Screw Connection

complete devices

ref. color

	Double Earth Socket (British Type) with Switch 13 A - 250 V ~	90344 C	BR MF GE PE AL IS PM DU
			
	Double Earth Socket (British Type) with Switch and Pilot Lamp 13 A - 250 V ~	90343 C	
			
	Flush Mounting Schuko Socket for EV Charging new 16 A - 250 V ~ See Technical Data Sheet - page 288	81132	
	Flush Mounting French Socket for EV Charging new 16 A - 250 V ~ See Technical Data Sheet - page 288	81112	
	Surface Schuko Socket for EV Charging new 16 A - 250 V ~ See Technical Data Sheet - page 287	81751	
	Surface French Socket for EV Charging new 16 A - 250 V ~ See Technical Data Sheet - page 287	81752	

frames - horizontal or vertical mounting

					
Single 90910 T	Double 90920 T	Triple 90930 T	Four-Gang 90940 T	Five-Gang 90950 T	Waterproof 90961 T
finishings					
Standard Aquarella Animato Crystal Metallo Arbore Petra	Standard Aquarella Animato Crystal Metallo Arbore Petra	Standard Aquarella Animato Crystal Metallo Arbore Petra	Standard Aquarella Animato Crystal Metallo Arbore Petra	Standard Aquarella	Standard Aquarella

The finishings **Animato**, **Crystal**, **Metallo**, **Arbore** and **Petra**, use the rockers and cover plates of **Aquarella**.

See finishing colours on pages 14 to 18.

C - Complete Device; T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden.

 /  /  - Screw Connection

[See Frames Dimensions - page 233](#)

LOGUS⁹⁰

Versatility and Modernity

This versatile series combines a variety of colours and organic materials. It offers finishings with materials such as glass, metal, wood and stone.



With the single type of mechanism system Mec 21, it offers a wide range of functions, combining design, functionality and versatility.



The symbiosis between design and organic materials.





APOLO 5000

Finishings	38
Functions	
- Control Devices	40
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Accessories	52
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Frames	55

standard



BR
White

matte



BM
Matte White



MF
Ivory



PM
Matte Black

metal



PR
Silver



PL
Platinum



GR
Graphite



CH
Champagne



control devices		ref.	rockers / cover plates	ref.	color
	Single Pole Switch 10 AX - 250 V ~	21011		50601 T	
	Single Pole Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting. Replacement LED - page 53.	21012		50602 T	
	Single Pole Switch with Pilot Lamp 10 AX - 250 V ~ Replacement LED - page 53.	21013		50797 T	
	Two-pole Switch 10 AX - 250 V ~	21021		50601 T	
				50608 T	
	Two-pole Switch with Pilot Lamp 10 AX - 250 V ~ Replacement LED - page 53.	21023		50602 T	
				50798 T	
				50797 T	BR MF BM PM PR GR PL CH
	Card-system Timer Switch   16 A (cos φ =1) - 100 - 240 V ~ I 50 - 60 Hz Operating time regulation: 0 seconds to 60 seconds Output: NO or NC Voltage free output contact.  See Technical Data Sheet - page 268	21033		50733 T	
	Card-system Switch  10 AX - 250 V ~ Single Pole Switch with Orienting Light function. Two-way Switch function (NO+NC). For ATM card type (Ref. 21999). To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting. Replacement LED - page 53.	21031		50731 T	
	Timer Switch   16 A (cos φ =1) - 100 - 240 V ~ I 50 - 60 Hz Operating time regulation: 0 seconds to 15 minutes Output: NO or NC Voltage free output contact.  See Technical Data Sheet - page 267	21040		50745 T	
	One Circuit Digital Time Switch  6 A (cos φ =1) - 230 V ~ I 50/60 Hz Type of outputs: ON, OFF and PULSE  See Technical Data Sheet - page 269	21041		50743 T	
	Two Circuits Digital Time Switch  6 A + 6 A (cos φ =1) - 230 V ~ I 50/60 Hz Type of outputs: ON, OFF and PULSE  See Technical Data Sheet - page 269	21042		50744 T	

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; BM - Matte White; PM - Matte Black; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne.

 /  /  - Screw Connection

 ECO - Saving energy and contributing to energy efficiency.

control devices		ref.	rockers / cover plates		ref.	color
	Two Circuits Switch 10 AX - 250 V ~	21061		Double Rockers	50611 T	
	Two Circuits Switch with Pilot Lamp 10 AX - 250 V ~ Two Circuits Switch with Orienting Light function. To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.	21066		Rockers for Double-function Mechanism with Orienting Light	50615 T	
	Two Circuits Switch with Pilot Lamp 10 AX - 250 V ~ Two Circuits Switch with Pilot Lamp function	21067				
	Three Circuits Switch 10 AX - 250 V ~	21088		Triple Rockers	50661 T	
	Two-way Switch 10 AX - 250 V ~	21071		Rocker for Switches	50601 T	
	Two-way Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting. Replacement LED - page 53.	21072		Rocker for Switches with Two Fan Symbols	50609 T	
	Two-way Switch with Pilot Lamp 10 AX - 250 V ~ Replacement LED - page 53.	21073		Rocker for Lighted Switches	50602 T	BR MF BM PM PR GR PL CH
	Double Two-way Switch 10 AX - 250 V ~	21101		Double Rockers	50611 T	
	Double Two-way Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.	21202		Double Rocker for Two-way Switch Fan	50616 T	
	Double Two-way Switch with Pilot Lamp 10 AX - 250 V ~	21203		Rockers for Double-function Mechanism with Orienting Light	50615 T	
	Intermediate Switch 10 AX - 250 V ~	21051		Rocker for Switches	50601 T	
	Double Intermediate Switch 10 AX - 250 V ~	21204		Rockers for Double-function Mechanism	50614 T	

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; BM - Matte White; PM - Matte Black; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne.

 /  /  - Screw Connection

control devices

ref.

	Intermediate Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting. Replacement LED - page 53.	21052
	Double Intermediate Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.	21205
	Rocker Push-button 10 A - 250 V ~	21151
	Rocker Push-button (NO + NC) 10 A - 250 V ~	21150
	Rocker Push-button with Orienting Light 250 V ~ 10 A - 250 V ~ Replacement LED - page 53.	21152
	Rocker Push-button with Independent Pilot Lamp 10 A - 250 V ~ Replacement LED - page 53.	21153
	Rocker Push-button with Orienting Light 12 V ~ 6 A - 12 V ~ Replacement LED - page 53.	21162
	Rocker Push-button with Identification 250 V ~ 10 A - 250 V ~	21155
	Rocker Push-button with Identification 12 V ~ 6 A - 12 V ~	21165
	Double Rocker Push-button 10 A - 250 V ~	21156
	Double Rocker Push-button (2 NO + 2 NC) 10 A - 250 V ~	21154
	Double Rocker Push-button with Orienting Light 250 V ~ 10 A - 250 V ~	21206
	Double Rocker Push-button with Orienting Light 12 V ~ 6 A - 12 V ~	21207

rockers / cover plates

ref.

color

	Rocker for Lighted Switches	50602 T	
	Rockers for Double-function Mechanism with Orienting Light	50615 T	
	Rocker for Switches	50601 T	
	Rocker for Switches with Lock Symbol	50604 T	
	Rocker for Switches with Bell Symbol	50605 T	
	Rocker for Switches with Maid Symbol	50606 T	
	Rocker for Switches with Lamp Symbol	50607 T	
	Rocker for Lighted Switches	50602 T	
	Rocker for Lighted Switches / Push-button with Lock Symbol	50794 T	
	Rocker for Lighted Switches / Push-button with Bell Symbol	50795 T	BR MF BM PM PR GR PL CH
	Rocker for Lighted Switches / Push-button with Maid Symbol	50796 T	
	Rocker for Lighted Switches / Push-button with Lamp Symbol	50797 T	
	Rocker for Switches with Identification Card	50603 T	
	Double Rockers	50611 T	
	Rockers for Double-function Mechanism with Orienting Light	50615 T	

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; BM - Matte White; PM - Matte Black; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne.

control devices		ref.	rockers / cover plates	ref.	color
	Two-way Switch / Rocker Push-button 10 AX - 250 V ~	21158		Double Rockers	50611 T
	Rocker Push-button / Two-way Switch 10 AX - 250 V ~	21159			
	Two-way Switch with Orienting Light / Rocker Push-button with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.	21208		Rockers for Double-function Mechanism with Orienting Light	50615 T
	Rocker Push-button with Orienting Light / Two-way Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.	21209			
	Electronic Very Low Voltage 4-Gang Push-button 12 V ~ - 50 mA / 32 V ~ - 18 mA See Technical Data Sheet - page 270	21164		Four-Gang Rocker	50600 T
	Rotary Switch 10 AX - 250 V ~	21306		Double Rockers for Electronic Mechanisms	50610 T
	Rotary Two-way Switch 10 AX - 250 V ~ ON - OFF - ON.	21307		Cover Plate for Rotary Switch (ON/OFF)	50762 T
	3 Positions Rotary Switch 16 (4) A - 250 V ~	21300		Cover Plate for Rotary Push-button / Two-way Switch	50761 T
	4 Positions Rotary Switch 16 (4) A - 250 V ~	21305		Cover Plate for Rotary Two-way Switch (I, O, II)	50760 T
	Key Lock Two-way Switch 10 AX - 250 V ~ ON - OFF - ON It allows to remove the key in 3 positions.	21352		Cover Plate for 3 Positions Rotary Switch	50765 T
	Key Lock Push-button 10 A - 250 V ~ ON - OFF - ON Allows key removal in OFF position.	21351			
	Pull-cord Two-way Switch 10 AX - 250 V ~ NO + NC	21092		Cover Plate for 4 Positions Rotary Switch	50766 T
	Pull-cord Push-button 10 A - 250 V ~ NA	21091			
	Pull-cord Push-button (NO + NC) 10 A - 250 V ~ NO + NC	21090		Cover Plate for Pull-cord Push-button / Two-way Switch Cord with approximately 65 cm.	50741 T

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; BM - Matte White; PM - Matte Black; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne.

⊖ / ⓈPZX / ⓈPHX - Screw Connection

control devices

ref.

blinds control

Venetian Switch

10 A - 250 V ~
Switch function.
Electrical and mechanical blockade against two occasional simultaneous orders.
Toggles automatically one rocker when the other is pressed.

21290

Venetian Switch with Mechanical Blockage

10 A - 250 V ~
Switch function.
Electrical and mechanical blockade against two occasional simultaneous orders.
It is necessary to press "STOP" before changing the direction of movement.

21291

General Blinds Control Module with Infrared Remote Control

100 V ~ - 240 VA | 50 - 60 Hz
240 V ~ - 500 VA | 50 - 60 Hz
Possibility to use the Infrared Remote Control Transmitter Multifunctions (Ref. 81900).
2 programmable functions (Up/Down).
Function: "Standby".

21311

 See Technical Data Sheet - page 278Local Blinds Control Module with Infrared Remote Control

100 V ~ - 240 VA | 50 - 60 Hz
240 V ~ - 500 VA | 50 - 60 Hz
Possibility to use the Infrared Remote Control Transmitter Multifunctions (Ref. 81900).

21312

 See Technical Data Sheet - page 278

Venetian Double Push-button

10 A - 250 V ~
Push-button function.
Electrical blockade against two occasional simultaneous orders.

21281

Venetian Double Push-button for Multiple Points Blinds Control

10 A - 250 V ~
Push-button function.
Electrical blockade against two occasional simultaneous orders.
It allows to control a blind from several points.
To be used with Relay for Blinds Control (Ref. 81511).

21283

Rotary Push-button

10 A - 250 V ~
ON - OFF - ON.

21303

 PZ2

dimmers

Dimmer RLC Switch

100 - 240 V ~ | 50 - 60 Hz
5 - 250 W/VA
5 - 75 W LED's
No need for a neutral line (directly replaces a Single Pole Switch).
Possibility to pre-set lighting: Orienting Light, Pilot Lamp, Always ON and OFF

21218

 See Technical Data Sheet - page 261Ferromagnetic Dimmer/Two-way Switch 500 VA RL

20 - 500 W/VA
 See Technical Data Sheet - page 258

21211

Electronic Dimmer/Two-way Switch 550 W RC

20 - 550 W/VA
Silent
 See Technical Data Sheet - page 258

21213

Ferromagnetic Dimmer/Two-way Switch for Energy Saving Lamps 110 VA RL

7 - 110 W/VA
3 - 35 W LED's
Dimmable LEDs
 See Technical Data Sheet - page 258

21214

rockers / cover plates

ref.

color



Rockers for Venetian Switch

50613 T



Cover Plate for General Blinds Control Module with Infrared Remote Control

50311 T



Cover Plate for Local Blinds Control Module with Infrared Remote Control

50312 T

BR MF
BM PM PR
GR PL CH

Rockers for Venetian Push-buttons

50612 T



Cover Plate for Rotary Push-button / Two-way Switch

50761 T



Rockers for Dimmer

50747 T



Cover Plate for Dimmer / Two-way Switch

50721 T

BR MF
BM PM PR
GR PL CH

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; BM - Matte White; PM - Matte Black; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne.

   - Screw Connection ECO - Saving energy and contributing to energy efficiency.

control devices

ref.

dimmers

**Electronic Dimmer/Two-way Switch for Low Power Lamps 150 W RC** e

15 - 150 W/VA
3 - 50 W LED's
Dimmable LED's
Silent

21215

[See Technical Data Sheet - page 258](#)

**Ferromagnetic Dimmer/Two-way Switch for Energy Saving Lamps 250 W/VA RL** e

20 - 250 W/VA
3 - 85 W LED's
Dimmable LED's

21216

[See Technical Data Sheet - page 258](#)

**Electronic Dimmer/Two-way Switch for Low Power Lamps 450 W/VA RC** e

15 - 450 W/VA
5 - 150 W LED's
Dimmable LED's
Silent

21217

[See Technical Data Sheet - page 258](#)

**Dimmer for Fluorescent Lamps with Electronic Ballast EVG 1-10V** e

I_{max} - 40 mA
Silent

21210

[See Technical Data Sheet - page 258](#)

**Speed Controller for Induction Motors 600 VA** e

25 - 600 VA

21219

[See Technical Data Sheet - page 258](#)

motion detectors

ref.

**Motion Detector - 1000 W** e new

100 - 240 V ~ I 50 - 60 Hz
Light sensitivity and operating time adjustment.
Range of detection: 12 meters
Angle of detection: 160°
Inverter contact, voltage free
Relay output, compatible with all types of electric loads.

21401

[See Technical Data Sheet - page 271](#)

**Motion Detector - 400 W** e new

100 - 240 V ~ I 50 - 60 Hz
Light sensitivity and operating time adjustment.
Range of detection: 12 meters
Angle of detection: 160°
Inverter contact, voltage free
Relay output, compatible with all types of electric loads.

21402

[See Technical Data Sheet - page 271](#)

**Motion Detector Wall Installation - 1000 W** e new

100 - 240 V ~ I 50 - 60 Hz
Wall installation with frontal push-button
Light sensitivity and operating time adjustment.
Range of detection: 9 meters
Angle of detection: 160°
Inverter contact, voltage free
Relay output, compatible with all types of electric loads.

21403

[See Technical Data Sheet - page 273](#)

**Motion Detector Wall Installation - 400 W** e new

100 - 240 V ~ I 50 - 60 Hz
Wall installation with frontal push-button
Light sensitivity and operating time adjustment.
Range of detection: 9 meters
Angle of detection: 160°
Inverter contact, voltage free
Relay output, compatible with all types of electric loads.

21404

[See Technical Data Sheet - page 273](#)

rockers / cover plates

ref.

color



Cover Plate for Dimmer /
Two-way Switch

50721 T

BR MF
BM PM PR
GR PL CH



Cover Plate for Motion Detector

50401 T



Cover Plate for Motion Detector Wall
Installation

50403 T

BR MF
BM PM PR
GR PL CH

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; BM - Matte White; PM - Matte Black; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne.

⊖ / ⚙️_{PZX} / ⚙️_{PHK} - Screw Connection

e ECO - Saving energy and contributing to energy efficiency.

temperature control

ref.

Rotary Thermostat **new**



16 A (cos ϕ = 1) - 100 - 240 V ~ 150 - 60 Hz
Temperature adjustment: +5 °C to 30 °C
Range of temperature readings: -9 °C to 35 °C
Systems control: heating and/or cooling.
Possibility of connecting the Floor Temperature Sensor (Ref. 81950),
with automatic self-detection (for Protection only).
Anti Freeze Protection (Heating) and Thermal Protection (Cooling).
[See Technical Data Sheet - page 275](#)

21234

Multifunctional Thermostat **new**



16 A (cos ϕ = 1) - 100 - 240 V ~ 150 - 60 Hz
Temperature control precision: 0,5 °C
Range of temperature readings: -9 °C to 35 °C
Systems control: heating and/or cooling.
Possibility of connecting the Floor Temperature Sensor (Ref. 81950),
with automatic self-detection.
Temperature reading: Ambient or Temperature Sensor or both.
Possibility of remote control with Multifunctions IR Remote Control
Transmitter (Ref. 81900).
Compatible with electrical and hydraulic systems.
Anti Freeze Protection (Heating) and Thermal Protection (Cooling).
[See Technical Data Sheet - page 276](#)

21236

Multifunctional Chronothermostat **new**



16 A (cos ϕ = 1) - 100 - 240 V ~ 150 - 60 Hz
Allows daily/weekly programming
Temperature control precision: 0,5 °C
Range of temperature readings: -9 °C to 35 °C
Systems control: heating and/or cooling.
Possibility of connecting the Floor Temperature Sensor (Ref. 81950),
with automatic self-detection.
Temperature reading: Ambient or Temperature Sensor or both.
Compatible with electrical and hydraulic systems.
Anti Freeze Protection (Heating) and Thermal Protection (Cooling).
[See Technical Data Sheet - page 277](#)

21235

Floor Temperature Sensor for Thermostat and Chronothermostat



Length: 4 m.
-10 °C to 50 °C.
IP67.
NTC 12 K/25 °C.

81950

—

orientation and light indicators

ref.

White Orientation Light **new**



100 - 240 V ~ 150 - 60 Hz
L1 - 0,2 W; L2 - 0,4 W (4000 K)
[See Technical Data Sheet - page 266](#)

21388

White Orientation Light with Battery



100 - 240 V ~ 150 - 60 Hz
L1 - OFF Signaling; L2 - ON Signaling.
[See Technical Data Sheet - page 266](#)

21389

Led Pilot Light (White)



100 - 240 V ~ 150 - 60 Hz
L1 - 0,2 W; L2 - 0,4 W (4000 K)
[See Technical Data Sheet - page 263](#)

21361

Led Pilot Light Double State Green/Red



100 - 240 V ~ 150 - 60 Hz
L1 - RED - 0,4 W; L2 - GREEN - 0,4 W
[See Technical Data Sheet - page 263](#)

21365

Buzzer



250 V ~ - 50 Hz
Type D.
5/15 seconds
[See Technical Data Sheet - page 254](#)

21990

rockers / cover plates

ref.

color



Cover Plate for Rotary Thermostat **50746 T**



Cover Plate for Multifunctional Thermostat **50749 T**

BR MF
BM PM PR
GR PL CH



Cover Plate for Multifunctional Chronothermostat **50748 T**

rockers / cover plates

ref.

color



Cover Plate for Orientation Light **50782 T**

BR MF
BM PM PR
GR PL CH



Cover for Pilot Light **50781 T**

IC LR
VD VM



Cover Plate for Loudspeaker of 2" - 32 Ohm / Buzzer **50710 T**

BR MF
BM PM PR
GR PL CH

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; BM - Matte White; PM - Matte Black; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne; IC - Colorless; LR - Orange; VD - Green; VM - Red

⊖ /  /  - Screw Connection

 ECO - Saving energy and contributing to energy efficiency.

data, voice and image sockets

ref.

rockers / cover plates

ref.

color

data sockets

RJ45 Cat. 6A UTP Socket **new**
[See Technical Data Sheet - page 346](#)



21590

RJ45 Cat. 6 UTP Socket
[See Technical Data Sheet - page 346](#)



21455



RJ45 Cat. 6A STP Socket **new**
[See Technical Data Sheet - page 347](#)



21592

RJ45 Cat. 6 STP Socket
[See Technical Data Sheet - page 347](#)

21445

RJ45 Cat. 5e UTP Socket

21453

RJ45 Cat. 5e STP Socket
[See Technical Data Sheet - page 347](#)

21443



RJ45 Socket Adapter
 (Without connector)

21976



Cover Plate for Single RJ45 Computer Sockets

50751 T

BR MF
BM PM PR
GR PL CH

RJ45 connectors



RJ45 Cat. 6A UTP Connector **new**
 (500 MHz)
[See Technical Data Sheet - page 346](#)



82021



RJ45 Cat. 6 UTP Connector
 (250 MHz)
[See Technical Data Sheet - page 346](#)



21978



RJ45 Cat. 6 UTP Connector - Rack Assembly
 (250 MHz)
[See Technical Data Sheet - page 347](#)

82020



RJ45 Cat. 5e UTP Connector
 (100 MHz)

21975



RJ45 Cat. 6A STP Connector **new**
 (500 MHz)
[See Technical Data Sheet - page 347](#)



82022



RJ45 Cat. 6 STP Connector
 (250 MHz)
[See Technical Data Sheet - page 347](#)

21988



RJ45 Cat. 5e STP Connector
 (100 MHz)
[See Technical Data Sheet - page 347](#)

21985



Cover Ring with Single Support for RJ45 Connectors

50441 S

BR MF
BM PM PR
GR PL CH



Cover Ring with Double Support for RJ45 Connectors

50442 S

couplers for fiber optic connectors



Coupler for SC APC Duplex Fiber Optic Connector
[See Technical Data Sheet - page 348](#)

82211



Cover Plate for Coupler for SC APC Duplex Fiber Optic Connector

50448 S



Coupler for SC APC Simplex Fiber Optic Connector
[See Technical Data Sheet - page 348](#)

82210



Cover Plate for Coupler for SC APC Simplex / LC Duplex Fiber Optic Connector

50449 S

BR MF
BM PM PR
GR PL CH



Coupler for LC Duplex Fiber Optic Connector
[See Technical Data Sheet - page 348](#)

82213



Protective Cover for Coupler for SC APC Simplex Fiber Optic Connector

82970



Protective Cover for Coupler for SC APC Duplex Fiber Optic Connector

82971

S - Semi-assembled; T - Rocker, Cover Plate or Frame. I BR - White; MF - Ivory; BM - Matte White; PM - Matte Black; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne.

- Power over Ethernet

Data, Voice and Image Sockets

ref. color

telephone sockets

50 V ~ 70 V ~



Telephone Socket
(4 conductors)

21252 S

BR MF
CZ

8 CONTACTS



T8 French Telephone Socket

21411



P22

rockers / cover plates

ref. color



Cover Plate for Telephone Socket

50712 T

BR MF
BM PM PR
GR PL CH



Cover Plate for T8 French Telephone Socket

50718 T

BR MF
BM PM PR
GR PL CH

radio, television and satellite sockets

ref.

ref.

color

STAR CONNECTION



R - TV - SAT Socket Star Connection

4 - 47 MHz: < 2 dB
47 - 108 MHz: < 20 dB
108 - 862 MHz: < 2 dB
950 - 2400 MHz: < 3 dB
Current flow 500 mA (DC)

[See Technical Data Sheet - page 285](#)

21543



Cover Plate for R - TV - SAT Socket

50775 T



R - TV Socket Star Connection

4 - 47 MHz: < 2 dB
47 - 108 MHz: < 2 dB
108 - 1000 MHz: < 1 dB

[See Technical Data Sheet - page 285](#)

21533



Cover Plate for R - TV Socket

50776 T

SERIAL CONNECTION



R - TV - SAT Socket (Terminal Type)

4 - 47 MHz: < 9 dB
47 - 108 MHz: < 15 dB
108 - 862 MHz: < 9 dB
950 - 2400 MHz: < 6 dB
Current flow 500 mA (DC)

[See Technical Data Sheet - page 285](#)

21555



R - TV - SAT Socket (Crossover Type)

4 - 47 MHz: < 10 dB
47 - 108 MHz: < 20 dB
108 - 862 MHz: < 10 dB
950 - 2400 MHz: < 11 dB
Current flow 500 mA (DC)
Insertion losses: 3 dB

[See Technical Data Sheet - page 285](#)

21565



Cover Plate for R - TV - SAT Socket

50775 T

BR MF
BM PM PR
GR PL CH



R - TV Socket (Terminal Type)

4 - 47 MHz: < 8 dB
47 - 108 MHz: < 8 dB
108 - 1000 MHz: < 7 dB

[See Technical Data Sheet - page 285](#)

21554



R - TV Socket (Crossover Type)

4 - 47 MHz: < 9 dB
47 - 108 MHz: < 9 dB
108 - 1000 MHz: < 9 dB
Insertion losses: 2 dB

[See Technical Data Sheet - page 285](#)

21564



Cover Plate for R - TV Socket

50776 T

multimedia sockets

STAR CONNECTION



R - TV - SAT - RJ45 Cat. 6A UTP - FO SC-APC Multimedia Socket for Star Connection

4 - 47 MHz: < 2 dB
47 - 108 MHz: < 20 dB
108 - 862 MHz: < 2 dB
950 - 2400 MHz: < 3 dB
Current flow 500 mA (DC)

[See Technical Data Sheet - page 285](#)

new



21548



Cover Plate for
R - TV - SAT - RJ45 /
R - TV - SAT - RJ45 - FO
Multimedia Socket

50770 T

BR MF
BM PM PR
GR PL CH

S - Semi-assembled; T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; BM - Matte White; PM - Matte Black; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne; CZ - Grey.

PZX / PHX - Screw Connection

PoE - Power over Ethernet

data, voice and image sockets

ref.

- multimedia sockets
- STAR CONNECTION

	R - TV - SAT - RJ45 Cat. 6 UTP - FO SC-APC Multimedia Socket for Star Connection		21545
	4 - 47 MHz: < 2 dB		
	47 - 108 MHz: < 20 dB		
	108 - 862 MHz: < 2 dB		
	950 - 2400 MHz: < 3 dB		
	R - TV - SAT - RJ45 Cat. 6A UTP Multimedia Socket for Star Connection		21547
	To be used with a SC APC Simplex or LC Duplex Fiber Optic Connector - page 171.		
	4 - 47 MHz: < 2 dB		
	47 - 108 MHz: < 20 dB		
	108 - 862 MHz: < 2 dB		
	R - TV - SAT - RJ45 Cat. 6 UTP Multimedia Socket for Star Connection		21544
	To be used with a SC APC Simplex or LC Duplex Fiber Optic Connector - page 171.		
	4 - 47 MHz: < 2 dB		
	47 - 108 MHz: < 20 dB		
	108 - 862 MHz: < 2 dB		

rockers / cover plates

ref.

color

	Cover Plate for R - TV - SAT - RJ45 / R - TV - SAT - RJ45 - FO Multimedia Socket	50770 T	BR MF BM PM PR GR PL CH
	Cover Plate for R - TV - SAT - 2xRJ45 Multimedia Socket	50773 T	BR MF BM PM PR GR PL CH
	R - TV - RJ45 Cat. 6A UTP - FO SC-APC Multimedia Socket for Star Connection		21537
	4 - 47 MHz: < 2 dB		
	47 - 108 MHz: < 2 dB		
	108 - 1000 MHz: < 1 dB		
	R - TV - RJ45 Cat. 6 UTP - FO SC-APC Multimedia Socket for Star Connection		21535
	4 - 47 MHz: < 2 dB		
	47 - 108 MHz: < 2 dB		
	108 - 1000 MHz: < 1 dB		
	R - TV - RJ45 Cat. 6A UTP Multimedia Socket for Star Connection		21536
	To be used with a SC APC Simplex or LC Duplex Fiber Optic Connector - page 171.		
	4 - 47 MHz: < 2 dB		
	47 - 108 MHz: < 2 dB		
	108 - 1000 MHz: < 1 dB		
	R - TV - RJ45 Cat. 6 UTP Multimedia Socket for Star Connection		21534
	To be used with a SC APC Simplex or LC Duplex Fiber Optic Connector - page 171.		
	4 - 47 MHz: < 2 dB		
	47 - 108 MHz: < 2 dB		
	108 - 1000 MHz: < 1 dB		

T - Rocker, Cover Plate or Frame. | **BR** - White; **MF** - Ivory; **BM** - Matte White; **PM** - Matte Black; **PR** - Silver; **GR** - Graphite; **PL** - Platinum; **CH** - Champagne.

 - Power over Ethernet

USB chargers

ref.



USB Double Charger Type A with Output 20°

100 - 240 V ~ I 50 - 60 Hz - 5 V = 3 A
Two USB type A output

[See Technical Data Sheet - page 282](#)

21384



USB Double Charger Type A + Type C new

100 - 240 V ~ I 50 - 60 Hz - 5 V = 3 A
One USB type A output + one USB type C output

[See Technical Data Sheet - page 282](#)

21381



USB Double Charger Type C new

100 - 240 V ~ I 50 - 60 Hz - 5 V = 3 A
Two USB type C output

[See Technical Data Sheet - page 282](#)

21382



USB Charger Type C Power Delivery 30W new

100 - 240 V ~ I 50 - 60 Hz - 5 V = 3 A
One USB type C output

[See Technical Data Sheet - page 282](#)

21398

energy sockets

ref.



Earth Socket (Schuko Type) with Screwless Terminals

16 A - 250 V ~

[See Technical Data Sheet - page 223](#)

21130



Earth Socket (Schuko Type)

16 A - 250 V ~

[See Technical Data Sheet - page 223](#)

21131



Earth Socket (Schuko Type) with USB new

16 A - 250 V ~ I 50/60 Hz

[See Technical Data Sheet - page 253](#)

21137



Single Phase Socket

16 A - 250 V ~

21121



Earth Socket (French Type) with Screwless Terminals

16 A - 250 V ~

[See Technical Data Sheet - page 223](#)

21110



Earth Socket (French Type)

16 A - 250 V ~

[See Technical Data Sheet - page 223](#)

21111

rockers / cover plates

ref.

color



Cover Plate for USB Double Charger
Type A with Output 20°

50673 T

BR MF
BM PM PR
GR PL CH



Cover Plate for USB Double Charger
Type A + Type C

50674 T

new



Cover Plate for USB Double Charger
Type C

50675 T

new

BR MF
BM PM PR
GR PL CH



Cover Plate for USB Charger
Type C Power Delivery

50676 T

new

rockers / cover plates

ref.

color



Safety Cover Plate for Earth Socket
(Schuko Type)

50632 T

BR MF
BM PM PR
GR PL CH
LR VD VM



Cover Plate for Earth Socket
(Schuko Type)

50631 T



Cover Plate for Schuko Socket
with Safety and Hinged Lid (IP44)

50634 T

BR MF
BM PM PR
GR PL CH
VD VM



Cover Plate for Earth Socket
Schuko + USB Type A and Type C
5 V = 3.0 A

50630 T

new

BR MF
BM PM PR
GR PL CH



Safety Cover Plate for Single Phase
Socket

50622 T



Cover Plate for Single Phase Socket

50621 T

BR MF
BM PM PR
GR PL CH



Plaque Monobloc pour Single Phase
Socket

50901 T



Safety Cover Plate for Earth Socket
(French Type)

50652 T

BR MF
BM PM PR
GR PL CH
LR VD VM



Cover Plate for French Socket
with Safety and Hinged Lid (IP44)

50654 T

BR MF
BM PM PR
GR PL CH
VD VM

T - Rocker, Cover Plate or Frame; I BR - White; MF - Ivory; BM - Matte White; PM - Matte Black; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne; LR - Orange; VD - Green; VM - Red.

⊖ / ⊗ PZK / ⊕ PHX - Screw Connection

Earth Socket (Schuko Type) with USB A+C



Triple power

The USB sockets, flexibly charge mobile devices without having to occupy the socket.

It has two USB connections (type A and type C) and are the solution to triple the power.



Easy to renew, simple to replace, whether renovating a space or replacing a socket.



Earth Socket (Schuko Type) with USB A+C
for APOLO 5000 Series

color



i See Technical Data Sheet - page 253

21117



i See Technical Data Sheet - page 223

21140



i See Technical Data Sheet - page 223

21143



i See Technical Data Sheet - page 223

21185

16 A - 250 V ~

50133 W

16 A - 250 V ~

50130 W

16 A - 250 V ~

BR MF
BM PM PR
GR PL CH

color

1998



3x2.5 mm² - 450 V ~

21173



4x2.5 mm² - 450 V ~

21174

various

21220

21222

50671 T

BR MF
BM PM PR
GR PL CH

50713 T

BR MF
BM PM PR
GB PL CH

50677 T

— / *_{R7Y} / +_{RHY} - Screw Connection

accessories

ref. color

various



IP44 Kit for MEC 21 Mechanisms - Single Rocker

[See Technical Data Sheet - page 224](#)

21981



IP44 Kit for MEC 21 Mechanisms - Double Rockers

[See Technical Data Sheet - page 224](#)

21982



Cover for Mechanisms Protection

Compatible with all Mec21 mechanisms.

21971



Level and Mounting Accessory for MEC 21 Mechanisms

21989



Card for Card-system Switch

21999



Long Claw for Mechanisms MEC 21

Compatible with Control Devices.

21998



Double Rockers for Electronic Mechanisms

Compatible with ref. 21164.

50610 T



Cover Plate for R - TV Socket Multibrand 2 Outputs

30 mm between hole centres.

[See Dimensions - page 225](#)

50685 T



Cover Plate for R - TV - SAT Socket Multibrand 2 Outputs

30 mm between hole centres.

[See Dimensions - page 225](#)

50686 T



Cover Plate for R - TV - SAT Socket Multibrand 3 Outputs

30 mm between hole centres.

[See Dimensions - page 225](#)

50680 T



Universal Cover Ring / Adapter for 45x45 Modules

50881 T

BR MF
BM PM PR
GR PL CH
VM



Adapter 50x50

50882 T

BR MF
BM PM PR
GR PL CH



Replacement LED for MEC 21 / 48 Series - 250 V ~

For replacement in orienting light and pilot light mechanisms.

81019



Replacement LED for MEC 21 / 48 Series - 12 V ~

For replacement in orienting light and pilot light mechanisms.

81018



Infrared Remote Control Transmitter Multifunctions

To control the Multifunctional Thermostat.

For controlling Blinds Controls.

Works with CR 2032 battery, not included.

81900

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; BM - Matte White; PM - Matte Black; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne; VM - Red.

accessories

ref. color

surface and flush-mounted boxes



APOLO 5000 Series Surface Mounting Box

10981 A

BR MF



Flush Mounting Box

To be used in installations with trunkings with L75 Covers.

10984 A

BR



Semi-Flush Mounting Box

To be used in installations with trunkings with L75 Covers.

10985 A

relays for blinds controls



Automatic Relay for Blinds Control

6 A - 230 V ~ | 50 Hz

Temporized.

Connect to the Double Push-buttons and to the Venetian Double Push-buttons.

[See Technical Data Sheet - page 280](#)

81512



Relay for Blinds Control

6 A - 230 V ~ | 50 Hz

Not temporized.

Connect locally to Venetian Double Push-button (Ref. 21283 / 45283 S).

[See Technical Data Sheet - page 280](#)

81511

complete devices

ref. color



Monoblock Safety Earth Socket (Schuko Type)

16 A - 250 V ~

50138 C

BR MF



Monoblock Earth Socket (Schuko Type)

16 A - 250 V ~

50135 C



Earth Socket (British Type) with Switch

13 A - 250 V ~

50184 C



Earth Socket (British Type) with Switch and Pilot Lamp

13 A - 250 V ~

50183 C



BR MF
BM PM PR
GR PL CH



Double Earth Socket (British Type) with Switch

13 A - 250 V ~

50344 C



Double Earth Socket (British Type) with Switch and Pilot Lamp

13 A - 250 V ~

50343 C



A - Accessory; C - Complete Device. | BR - White; MF - Ivory; BM - Matte White; PM - Matte Black; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne.

/ / - Screw Connection

complete devices

ref. color

	Flush Mounting Schuko Socket for EV Charging new 16 A - 250 V ~ See Technical Data Sheet - page 288	81132
	Flush Mounting French Socket for EV Charging new 16 A - 250 V ~ See Technical Data Sheet - page 288	81112
	Surface Schuko Socket for EV Charging new 16 A - 250 V ~ See Technical Data Sheet - page 287	81751
	Surface French Socket for EV Charging new 16 A - 250 V ~ See Technical Data Sheet - page 287	81752

frames

							
Single 50910 T	Double Horizontal 50921 T	Double Vertical 50922 T	Triple Horizontal 50931 T	Triple Vertical 50932 T	Four-Gang Horizontal 50941 T	Four-Gang Vertical 50942 T	Waterproof 50961 T
finishings							

Standard | Matte | Metal

See finishings colours on page 38.

T - Rocker, Cover Plate or Frame.




 - Screw Connection

[See Frames Dimensions - page 234](#)





sirius70

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Frames	73

classic



BR
White



MF
Ivory



control devices

ref.

	Single Pole Switch 10 AX - 250 V ~	21011
	Single Pole Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting. Replacement LED - page 72.	21012
	Single Pole Switch with Pilot Lamp 10 AX - 250 V ~ Replacement LED - page 72.	21013
	Two-pole Switch 10 AX - 250 V ~	21021
	Two-pole Switch with Pilot Lamp 10 AX - 250 V ~ Replacement LED - page 72.	21023
	Card-system Timer Switch  new 16 A (cos φ =1) - 100 - 240 V ~ 50 - 60 Hz Operating time regulation: 0 seconds to 60 seconds Output: NO or NC Voltage free output contact. See Technical Data Sheet - page 268	21033
	Card-system Switch  10 AX - 250 V ~ Single Pole Switch with Orienting Light function. Two-way Switch function (NO+NC). For ATM card type (Ref. 21999). To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting. Replacement LED - page 72.	21031
	Timer Switch  new 16 A (cos φ =1) - 100 - 240 V ~ 50 - 60 Hz Operating time regulation: 0 seconds to 15 minutes Output: NO or NC Voltage free output contact. See Technical Data Sheet - page 267	21040
	One Circuit Digital Time Switch  6 A (cos φ =1) - 230 V ~ 50/60 Hz Type of outputs: ON, OFF and PULSE See Technical Data Sheet - page 269	21041
	Two Circuits Digital Time Switch  6 A + 6 A (cos φ =1) - 230 V ~ 50/60 Hz Type of outputs: ON, OFF and PULSE See Technical Data Sheet - page 269	21042
	Two Circuits Switch 10 AX - 250 V ~	21061

rockers / cover plates

ref.

color

	Rocker for Switches	70601 T	
	Rocker for Lighted Switches	70602 T	
	Rocker for Lighted Switches / Push-button with Lamp Symbol	70797 T	
	Rocker for Switches	70601 T	
	Rocker for Two-pole Switch	70608 T	
	Rocker for Lighted Switches	70602 T	
	Rocker for Lighted Switches / Push-button with Lamp Symbol	70797 T	
	Cover Plate for Card-system Timer Switch	70733 T	BR MF
	Cover Plate for Card-system Switch	70731 T	
	Rocker for Timer Switch	70745 T	
	Cover Plate for One Circuit Digital Time Switch	70743 T	
	Cover Plate for Two Circuits Digital Time Switch	70744 T	
	Double Rockers	70611 T	

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory.

 /  /  - Screw Connection ECO - Saving energy and contributing to energy efficiency.

control devices		ref.	rockers / cover plates		ref.	color
	Two Circuits Switch with Pilot Lamp 10 AX - 250 V ~ Two Circuits Switch with Orienting Light function. To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.	21066		Rockers for Double-function Mechanism with Orienting Light	70615 T	
	Two Circuits Switch with Pilot Lamp 10 AX - 250 V ~ Two Circuits Switch with Pilot Lamp function	21067				
	Three Circuits Switch 10 AX - 250 V ~	21088		Triple Rockers	70661 T	
	Two-way Switch 10 AX - 250 V ~	21071		Rocker for Switches	70601 T	
	Two-way Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting. Replacement LED - page 72.	21072		Rocker for Switches with Two Fan Symbols	70609 T	
	Two-way Switch with Pilot Lamp 10 AX - 250 V ~ Replacement LED - page 72.	21073		Rocker for Lighted Switches	70602 T	
	Double Two-way Switch 10 AX - 250 V ~	21101		Double Rockers	70611 T	BR MF
				Double Rocker for Two-way Switch Fan	70616 T	
	Double Two-way Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.	21202		Rockers for Double-function Mechanism with Orienting Light	70615 T	
	Double Two-way Switch with Pilot Lamp 10 AX - 250 V ~	21203				
	Intermediate Switch 10 AX - 250 V ~	21051		Rocker for Switches	70601 T	
	Double Intermediate Switch 10 AX - 250 V ~	21204		Rockers for Double-function Mechanism	70614 T	
	Intermediate Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting. Replacement LED - page 72.	21052		Rocker for Lighted Switches	70602 T	
	Double Intermediate Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.	21205		Rockers for Double-function Mechanism with Orienting Light	70615 T	

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory.
⊖ / ⊕PZX / ⊕PHX - Screw Connection

control devices

ref.

	Rocker Push-button 10 A - 250 V ~	21151
	Rocker Push-button (NO + NC) 10 A - 250 V ~	21150
	Rocker Push-button with Orienting Light 250 V ~ 10 A - 250 V ~ Replacement LED - page 72.	21152
	Rocker Push-button with Independent Pilot Lamp 10 A - 250 V ~ Replacement LED - page 72.	21153
	Rocker Push-button with Orienting Light 12 V ~ 6 A - 12 V ~ Replacement LED - page 72.	21162
	Rocker Push-button with Identification 250 V ~ 10 A - 250 V ~	21155
	Rocker Push-button with Identification 12 V ~ 6 A - 12 V ~	21165
	Double Rocker Push-button 10 A - 250 V ~	21156
	Double Rocker Push-button (2 NO + 2 NC) 10 A - 250 V ~	21154
	Double Rocker Push-button with Orienting Light 250 V ~ 10 A - 250 V ~	21206
	Double Rocker Push-button with Orienting Light 12 V ~ 6 A - 12 V ~	21207
	Two-way Switch / Rocker Push-button 10 AX - 250 V ~	21158
	Rocker Push-button / Two-way Switch 10 AX - 250 V ~	21159

rockers / cover plates

ref.

color

	Rocker for Switches	70601 T
	Rocker for Switches with Lock Symbol	70604 T
	Rocker for Switches with Bell Symbol	70605 T
	Rocker for Switches with Maid Symbol	70606 T
	Rocker for Switches with Lamp Symbol	70607 T
	Rocker for Lighted Switches	70602 T
	Rocker for Lighted Switches / Push-button with Lock Symbol	70794 T
	Rocker for Lighted Switches / Push-button with Bell Symbol	70795 T
	Rocker for Lighted Switches / Push-button with Maid Symbol	70796 T
	Rocker for Lighted Switches / Push-button with Lamp Symbol	70797 T

BR MF

	Rocker for Switches with Identification Card	70603 T
	Double Rockers	70611 T
	Rockers for Double-function Mechanism with Orienting Light	70615 T
	Double Rockers	70611 T

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory.

control devices	ref.	rockers / cover plates	ref.	color
	Two-way Switch with Orienting Light / Rocker Push-button with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting. 21208		Rockers for Double-function Mechanism with Orienting Light 70615 T	
	Rocker Push-button with Orienting Light / Two-way Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting. 21209			
	Electronic Very Low Voltage 4-Gang Push-button 12 V ~ - 50 mA / 32 V ~ - 18 mA See Technical Data Sheet - page 270 21164		Four-Gang Rocker 70600 T	
	Rotary Switch 10 AX - 250 V ~ 21306		Double Rockers for Electronic Mechanisms 70610 T	
	Rotary Two-way Switch 10 AX - 250 V ~ ON - OFF - ON. 21307		Cover Plate for Rotary Switch (ON/OFF) 70762 T	
	3 Positions Rotary Switch 16 (4) A - 250 V ~ 21300		Cover Plate for Rotary Push-button / Two-way Switch 70761 T	
	4 Positions Rotary Switch 16 (4) A - 250 V ~ 21305		Cover Plate for Rotary Two-way Switch (I, O, II) 70760 T	BR MF
	Key Lock Two-way Switch 10 AX - 250 V ~ ON - OFF - ON It allows to remove the key in 3 positions. 21352		Cover Plate for 3 Positions Rotary Switch 70765 T	
	Key Lock Push-button 10 A - 250 V ~ ON - OFF - ON Allows key removal in OFF position. 21351		Cover Plate for 4 Positions Rotary Switch 70766 T	
	Pull-cord Two-way Switch 10 AX - 250 V ~ NO + NC 21092		Cover Plate for Key Lock Push-button / Two-way Switch 70351 T	
	Pull-cord Push-button 10 A - 250 V ~ NA 21091		Cover Plate for Pull-cord Push-button / Two-way Switch Cord with approximately 65 cm. 70741 T	
	Pull-cord Push-button (NO + NC) 10 A - 250 V ~ NO + NC 21090			

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory.

⊖ / ⓈPZX / ⓈPHX - Screw Connection

control devices

ref.

blinds control

Venetian Switch

10 A - 250 V ~
Switch function.
Electrical and mechanical blockade against two occasional simultaneous orders.
Toggles automatically one rocker when the other is pressed.

21290

Venetian Switch with Mechanical Blockage

10 A - 250 V ~
Switch function.
Electrical and mechanical blockade against two occasional simultaneous orders.
It is necessary to press "STOP" before changing the direction of movement.

21291

General Blinds Control Module with Infrared Remote Control

100 V ~ - 240 VA | 50 - 60 Hz
240 V ~ - 500 VA | 50 - 60 Hz
Possibility to use the Infrared Remote Control Transmitter Multifunctions (Ref. 81900).
2 programmable functions (Up/Down).
Function: "Standby".

21311

 See Technical Data Sheet - page 278Local Blinds Control Module with Infrared Remote Control

100 V ~ - 240 VA | 50 - 60 Hz
240 V ~ - 500 VA | 50 - 60 Hz
Possibility to use the Infrared Remote Control Transmitter Multifunctions (Ref. 81900).

21312

 See Technical Data Sheet - page 278

Venetian Double Push-button

10 A - 250 V ~
Push-button function.
Electrical blockade against two occasional simultaneous orders.

21281

Venetian Double Push-button for Multiple Points Blinds Control

10 A - 250 V ~
Push-button function.
Electrical blockade against two occasional simultaneous orders.
It allows to control a blind from several points.
To be used with Relay for Blinds Control (Ref. 81511).

21283

Rotary Push-button

10 A - 250 V ~
ON - OFF - ON.

21303

 PZ2

dimmers

Dimmer RLC Switch

100 - 240 V ~ | 50 - 60 Hz
5 - 250 W/VA.
5 - 75 W LED's.
No need for a neutral line (directly replaces a Single Pole Switch).
Possibility to pre-set lighting: Orienting Light, Pilot Lamp, Always ON and OFF

21218

 See Technical Data Sheet - page 261Ferromagnetic Dimmer/Two-way Switch 500 VA RL

20 - 500 W/VA
 See Technical Data Sheet - page 258

21211

Electronic Dimmer/Two-way Switch 550 W RC

20 - 550 W/VA
Silent
 See Technical Data Sheet - page 258

21213

Ferromagnetic Dimmer/Two-way Switch for Energy Saving Lamps 110 VA RL

7 - 110 W/VA
3 - 35 W LED's
Dimmable LEDs

21214

 See Technical Data Sheet - page 258

rockers / cover plates

ref.

color



Rockers for Venetian Switch

70613 T



Cover Plate for General Blinds Control Module with Infrared Remote Control

70311 T



Cover Plate for Local Blinds Control Module with Infrared Remote Control

70312 T

BR MF



Rockers for Venetian Push-buttons

70612 T



Cover Plate for Rotary Push-button / Two-way Switch

70761 T



Rockers for Dimmer

70747 T



Cover Plate for Dimmer / Two-way Switch

70721 T

BR MF

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory.

  - Screw Connection ECO - Saving energy and contributing to energy efficiency.

control devices		ref.	rockers / cover plates		ref.	color
dimmers						
	Electronic Dimmer/Two-way Switch for Low Power Lamps 150 W RC 15 - 150 W/VA 3 - 50 W LED's Dimmable LEDs Silent See Technical Data Sheet - page 258	21215				
	Ferromagnetic Dimmer/Two-way Switch for Energy Saving Lamps 250 W/VA RL 20 - 250 W/VA 3 - 85 W LED's Dimmable LEDs See Technical Data Sheet - page 258	21216				
	Electronic Dimmer/Two-way Switch for Low Power Lamps 450 W/VA RC 15 - 450 W/VA 5 - 150 W LED's Dimmable LEDs Silent See Technical Data Sheet - page 258	21217				
	Dimmer for Fluorescent Lamps with Electronic Ballast EVG 1-10V I _{máx} - 40 mA Silent See Technical Data Sheet - page 258	21210				
	Speed Controller for Induction Motors 600 VA 25 - 600 VA See Technical Data Sheet - page 258	21219				
motion detectors		ref.	rockers / cover plates		ref.	color
	Motion Detector - 1000 W e new 100 - 240 V ~ 150 - 60 Hz Light sensitivity and operating time adjustment. Range of detection: 12 meters Angle of detection: 160° Inverter contact, voltage free Relay output, compatible with all types of electric loads. See Technical Data Sheet - page 271	21401				
	Motion Detector - 400 W e new 100 - 240 V ~ 150 - 60 Hz Light sensitivity and operating time adjustment. Range of detection: 12 meters Angle of detection: 160° Inverter contact, voltage free Relay output, compatible with all types of electric loads. See Technical Data Sheet - page 271	21402				
	Motion Detector Wall Installation - 1000 W e new 100 - 240 V ~ 150 - 60 Hz Wall installation with frontal push-button Light sensitivity and operating time adjustment. Range of detection: 9 meters Angle of detection: 160° Inverter contact, voltage free Relay output, compatible with all types of electric loads. See Technical Data Sheet - page 273	21403				
	Motion Detector Wall Installation - 400 W e new 100 - 240 V ~ 150 - 60 Hz Wall installation with frontal push-button Light sensitivity and operating time adjustment. Range of detection: 9 meters Angle of detection: 160° Inverter contact, voltage free Relay output, compatible with all types of electric loads. See Technical Data Sheet - page 273	21404				

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory.

 /  /  - Screw Connection

e ECO - Saving energy and contributing to energy efficiency.

temperature control

ref.

	Rotary Thermostat  new	
	16 A (cos ϕ = 1) - 100 - 240 V ~ 50 - 60 Hz Temperature adjustment: +5 °C to 30 °C Range of temperature readings: -9 °C to 35 °C Systems control: heating and/or cooling. Possibility of connecting the Floor Temperature Sensor (Ref. 81950), with automatic self-detection (for Protection only). Anti Freeze Protection (Heating) and Thermal Protection (Cooling). See Technical Data Sheet - page 275	21234
	Multifunctional Thermostat  new	
	16 A (cos ϕ = 1) - 100 - 240 V ~ 50 - 60 Hz Temperature control precision: 0,5 °C Range of temperature readings: -9 °C to 35 °C Systems control: heating and/or cooling. Possibility of connecting the Floor Temperature Sensor (Ref. 81950), with automatic self-detection. Temperature reading: Ambient or Temperature Sensor or both. Possibility of remote control with Multifunctions IR Remote Control Transmitter (Ref. 81900). Compatible with electrical and hydraulic systems. Anti Freeze Protection (Heating) and Thermal Protection (Cooling). See Technical Data Sheet - page 276	21236
	Multifunctional Chronothermostat  new	
	16 A (cos ϕ = 1) - 100 - 240 V ~ 50 - 60 Hz Allows daily/weekly programming Temperature control precision: 0,5 °C Range of temperature readings: -9 °C to 35 °C Systems control: heating and/or cooling. Possibility of connecting the Floor Temperature Sensor (Ref. 81950), with automatic self-detection. Temperature reading: Ambient or Temperature Sensor or both. Compatible with electrical and hydraulic systems. Anti Freeze Protection (Heating) and Thermal Protection (Cooling). See Technical Data Sheet - page 277	21235
	Floor Temperature Sensor for Thermostat and Chronothermostat	
	Length: 4 m. -10 °C to 50 °C. IP67. NTC 12 K/25 °C.	81950

orientation and light indicators

ref.

	White Orientation Light new	
	100 - 240 V ~ 50 - 60 Hz L1 - 0,2 W; L2 - 0,4 W (4000 K) See Technical Data Sheet - page 266	21388
	White Orientation Light with Battery	
	100 - 240 V ~ 50 - 60 Hz L1 - OFF Signaling; L2 - ON Signaling. See Technical Data Sheet - page 266	21389
	Led Pilot Light (White)	
	100 - 240 V ~ 50 - 60 Hz L1 - 0,2 W; L2 - 0,4 W (4000 K) See Technical Data Sheet - page 263	21361
	Led Pilot Light Double State Green/Red	
	100 - 240 V ~ 50 - 60 Hz L1 - RED - 0,4 W; L2 - GREEN - 0,4 W See Technical Data Sheet - page 263	21365
	Buzzer	
	250 V ~ - 50 Hz Type D. 5/15 seconds See Technical Data Sheet - page 254	21990

rockers / cover plates

ref.

color

	Cover Plate for Rotary Thermostat	70746 T	
	Cover Plate for Multifunctional Thermostat	70749 T	BR MF
	Cover Plate for Multifunctional Chronothermostat	70748 T	
	Cover Plate for Orientation Light	70782 T	BR MF
	Cover for Pilot Light	70781 T	IC LR VD VM
	Cover Plate for Loudspeaker of 2" - 32 Ohm / Buzzer	70710 T	BR MF

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; IC - Colorless; LR - Orange; VD - Green; VM - Red.

⊖ /  /  - Screw Connection ECO - Saving energy and contributing to energy efficiency.

data, voice and image sockets		ref.	rockers / cover plates		ref.	color	
data sockets							
	RJ45 Cat. 6A UTP Socket new See Technical Data Sheet - page 346	 21590		Cover Plate for Single RJ45 Computer Sockets	70751 T	BR MF	
	RJ45 Cat. 6 UTP Socket See Technical Data Sheet - page 346	 21455					
	RJ45 Cat. 6A STP Socket new See Technical Data Sheet - page 347	 21592					
	RJ45 Cat. 6 STP Socket See Technical Data Sheet - page 347	21445					
	RJ45 Cat. 5e UTP Socket	21453					
	RJ45 Cat. 5e STP Socket See Technical Data Sheet - page 347	21443					
	RJ45 Socket Adapter (Without connector)	21976					
RJ45 connectors							
	RJ45 Cat. 6A UTP Connector new (500 MHz) See Technical Data Sheet - page 346	 82021		Cover Ring with Single Support for RJ45 Connectors	70441 S	BR MF	
	RJ45 Cat. 6 UTP Connector (250 MHz) See Technical Data Sheet - page 346	 21978					
	RJ45 Cat. 6 UTP Connector - Rack Assembly (250 MHz) See Technical Data Sheet - page 347	82020					
	RJ45 Cat. 5e UTP Connector (100 MHz)	21975					
	RJ45 Cat. 6A STP Connector new (500 MHz) See Technical Data Sheet - page 347	 82022		Cover Ring with Double Support for RJ45 Connectors	70442 S		
	RJ45 Cat. 6 STP Connector (250 MHz) See Technical Data Sheet - page 347	21988					
	RJ45 Cat. 5e STP Connector (100 MHz) See Technical Data Sheet - page 347	21985					
couplers for fiber optic connectors							
	Coupler for SC APC Duplex Fiber Optic Connector See Technical Data Sheet - page 348	82211		Cover Plate for Coupler for SC APC Duplex Fiber Optic Connector	70448 S	BR MF	
	Coupler for SC APC Simplex Fiber Optic Connector See Technical Data Sheet - page 348	82210					
	Coupler for LC Duplex Fiber Optic Connector See Technical Data Sheet - page 348	82213		Cover Plate for Coupler for SC APC Simplex / LC Duplex Fiber Optic Connector	70449 S		
	Protective Cover for Coupler for SC APC Simplex Fiber Optic Connector						
	Protective Cover for Coupler for SC APC Duplex Fiber Optic Connector						

S - Semi-assembled; T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory.
 - Power over Ethernet

data, voice and image sockets

ref. color

telephone sockets

50 V ~ 70 V ~



Telephone Socket
(4 conductors)

21252 S

BR MF

8 CONTACTS



T8 French Telephone Socket
PZ2

21411

rockers / cover plates

ref. color



Cover Plate for Telephone Socket

70712 T

BR MF



Cover Plate for T8 French Telephone Socket

70718 T

radio, television and satellite sockets

ref.

ref.

color

STAR CONNECTION



R - TV - SAT Socket Star Connection
4 - 47 MHz: < 2 dB
47 - 108 MHz: < 20 dB
108 - 862 MHz: < 2 dB
950 - 2400 MHz: < 3 dB
Current flow 500 mA (DC)
[See Technical Data Sheet - page 285](#)

21543



Cover Plate for R - TV - SAT Socket

70775 T



R - TV Socket Star Connection
4 - 47 MHz: < 2 dB
47 - 108 MHz: < 2 dB
108 - 1000 MHz: < 1 dB
[See Technical Data Sheet - page 285](#)

21533



Cover Plate for R - TV Socket

70776 T

SERIAL CONNECTION



R - TV - SAT Socket (Terminal Type)
4 - 47 MHz: < 9 dB
47 - 108 MHz: < 15 dB
108 - 862 MHz: < 9 dB
950 - 2400 MHz: < 6 dB
Current flow 500 mA (DC)
[See Technical Data Sheet - page 285](#)

21555



R - TV - SAT Socket (Crossover Type)
4 - 47 MHz: < 10 dB
47 - 108 MHz: < 20 dB
108 - 862 MHz: < 10 dB
950 - 2400 MHz: < 11 dB
Current flow 500 mA (DC)
Insertion losses: 3 dB
[See Technical Data Sheet - page 285](#)

21565



R - TV Socket (Terminal Type)
4 - 47 MHz: < 8 dB
47 - 108 MHz: < 8 dB
108 - 1000 MHz: < 7 dB
[See Technical Data Sheet - page 285](#)

21554



R - TV Socket (Crossover Type)
4 - 47 MHz: < 9 dB
47 - 108 MHz: < 9 dB
108 - 1000 MHz: < 9 dB
Insertion losses: 2 dB
[See Technical Data Sheet - page 285](#)

21564

multimedia sockets

STAR CONNECTION



R - TV - SAT - RJ45 Cat. 6A UTP - FO SC-APC Multimedia Socket for Star Connection
4 - 47 MHz: < 2 dB
47 - 108 MHz: < 20 dB
108 - 862 MHz: < 2 dB
950 - 2400 MHz: < 3 dB
Current flow 500 mA (DC)
[See Technical Data Sheet - page 285](#)

new



21548



Cover Plate for
R - TV - SAT - RJ45 /
R - TV - SAT - RJ45 - FO
Multimedia Socket

70770 T

BR MF

S - Semi-assembled; T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory.

⊖ / ⊕ PZx / ⊕ PHx - Screw Connection

- Power over Ethernet

data, voice and image sockets

ref.

multimedia sockets		
STAR CONNECTION		
	R - TV - SAT - RJ45 Cat. 6 UTP - FO SC-APC Multimedia Socket for Star Connection 4 - 47 MHz: < 2 dB 47 - 108 MHz: < 20 dB 108 - 862 MHz: < 2 dB 950 - 2400 MHz: < 3 dB Current flow 500 mA (DC) See Technical Data Sheet - page 285	 21545
	R - TV - SAT - RJ45 Cat. 6A UTP Multimedia Socket for Star Connection To be used with a SC APC Simplex or LC Duplex Fiber Optic Connector - page 171. 4 - 47 MHz: < 2 dB 47 - 108 MHz: < 20 dB 108 - 862 MHz: < 2 dB 950 - 2400 MHz: < 3 dB Current flow 500 mA (DC) See Technical Data Sheet - page 285	new  21547
	R - TV - SAT - RJ45 Cat. 6 UTP Multimedia Socket for Star Connection To be used with a SC APC Simplex or LC Duplex Fiber Optic Connector - page 171. 4 - 47 MHz: < 2 dB 47 - 108 MHz: < 20 dB 108 - 862 MHz: < 2 dB 950 - 2400 MHz: < 3 dB Current flow 500 mA (DC) See Technical Data Sheet - page 285	 21544
	R - TV - RJ45 Cat. 6 UTP - FO SC-APC Multimedia Socket for Star Connection 4 - 47 MHz: < 2 dB 47 - 108 MHz: < 20 dB 108 - 862 MHz: < 2 dB 950 - 2400 MHz: < 3 dB Current flow 500 mA (DC) See Technical Data Sheet - page 285	21546
	R - TV - RJ45 Cat. 6A UTP - FO SC-APC Multimedia Socket for Star Connection 4 - 47 MHz: < 2 dB 47 - 108 MHz: < 2 dB 108 - 1000 MHz: < 1 dB See Technical Data Sheet - page 285	new  21537
	R - TV - RJ45 Cat. 6 UTP - FO SC-APC Multimedia Socket for Star Connection 4 - 47 MHz: < 2 dB 47 - 108 MHz: < 2 dB 108 - 1000 MHz: < 1 dB See Technical Data Sheet - page 285	 21535
	R - TV - RJ45 Cat. 6A UTP Multimedia Socket for Star Connection To be used with a SC APC Simplex or LC Duplex Fiber Optic Connector - page 171. 4 - 47 MHz: < 2 dB 47 - 108 MHz: < 2 dB 108 - 1000 MHz: < 1 dB See Technical Data Sheet - page 285	new  21536
	R - TV - RJ45 Cat. 6 UTP Multimedia Socket for Star Connection To be used with a SC APC Simplex or LC Duplex Fiber Optic Connector - page 171. 4 - 47 MHz: < 2 dB 47 - 108 MHz: < 2 dB 108 - 1000 MHz: < 1 dB See Technical Data Sheet - page 285	 21534

rockers / cover plates

ref.

color

	Cover Plate for R - TV - SAT - RJ45 / R - TV - SAT - RJ45 - FO Multimedia Socket	70770 T	BR MF
	Cover Plate for R - TV - SAT - 2xRJ45 Multimedia Socket	70773 T	BR MF
	Cover Plate for R - TV - RJ45 / R - TV - RJ45 - FO Multimedia Sockets	70774 T	BR MF

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory.

 - Power over Ethernet

USB chargers

ref.

**USB Double Charger Type A with Output 20°**

100 - 240 V ~ 150 - 60 Hz - 5 V = 3 A
Two USB type A output

21384

[See Technical Data Sheet - page 282](#)

**USB Double Charger Type A + Type C** new

100 - 240 V ~ 150 - 60 Hz - 5 V = 3 A
One USB type A output + one USB type C output

21381

[See Technical Data Sheet - page 282](#)

**USB Double Charger Type C** new

100 - 240 V ~ 150 - 60 Hz - 5 V = 3 A
Two USB type C output

21382

[See Technical Data Sheet - page 282](#)

**USB Charger Type C Power Delivery 30W** new

100 - 240 V ~ 150 - 60 Hz - 30 W
One USB type C output

21398

[See Technical Data Sheet - page 282](#)

energy sockets

ref.

**Earth Socket (Schuko Type) with Screwless Terminals**

16 A - 250 V ~

21130

[See Technical Data Sheet - page 223](#)

**Earth Socket (Schuko Type)**

16 A - 250 V ~

21131

[See Technical Data Sheet - page 223](#)

**Single Phase Socket**

16 A - 250 V ~

21121**Earth Socket (French Type) with Screwless Terminals**

16 A - 250 V ~

21110

[See Technical Data Sheet - page 223](#)

**Earth Socket (French Type)**

16 A - 250 V ~

21111

[See Technical Data Sheet - page 223](#)

**Earth Socket (Euro-USA Type)**

15 A - 127 V ~ / 16 A - 250 V ~

21140

[See Technical Data Sheet - page 223](#)

rockers / cover plates

ref.

color



Cover Plate for USB Double Charger
Type A with Output 20°

70673 T

BR MF



Cover Plate for USB Double Charger
Type A + Type C

70674 Tnew

Cover Plate for USB Double Charger
Type C

70675 Tnew

BR MF



Cover Plate for USB Charger
Type C Power Delivery

70676 Tnew

rockers / cover plates

ref.

color



Safety Cover Plate for Earth Socket
(Schuko Type)

70632 TBR MF
LR VD VM

Cover Plate for Earth Socket
(Schuko Type)

70631 T

Cover Plate for Schuko Socket
with Safety and Hinged Lid (IP44)

70634 TBR MF
VD VM

Monoblock Cover for Safety Earth
Socket (Schuko Type)

70903 T

BR MF



Monoblock Cover for Earth Socket
(Schuko Type)

70902 T

Safety Cover Plate for Single Phase
Socket

70622 T

Cover Plate for Single Phase Socket

70621 T

BR MF



Monoblock Cover for Single Phase
Socket

70901 T

Safety Cover Plate for Earth Socket
(French Type)

70652 TBR MF
LR VD VM

Cover Plate for French Socket
with Safety and Hinged Lid (IP44)

70654 TBR MF
VD VM

Safety Cover Plate for Earth Socket
(Euro-USA Type)

70842 TBR MF
LR VD VM

Cover Plate for Earth Socket
(Euro-USA Type)

70841 T

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; LR - Orange; VD - Green; VM - Red.

⊖ / PZXX / PHIX - Screw Connection

energy sockets		ref.	rockers / cover plates		ref.	color
	Earth Socket (USA NEMA Type) 15 A - 127 V ~ SASO 2204 NEMA 5-15	21143		Cover Plate for Prise Américaine NEMA avec Protection	70843 T	BR MF LR VD VM
		Safety Earth Socket (British Type) 13 A - 250 V ~		Cover Plate for Safety Earth Socket (British Type)	70642 T	BR MF
accessories		ref.	rockers / cover plates		ref.	color
cable outlets						
	Cable Outlet with 3 Terminals 3x2,5 mm² - 450 V ~	21173		Cover Plate for Cable Outlet	70671 T	BR MF
		Cable Outlet with 4 Terminals 4x2,5 mm² - 450 V ~				
various						
	Loudspeaker Screw Terminal Socket	21220		Cover Plate for Screw Terminal Loudspeaker Socket	70713 T	BR MF
		Support for Blind Cover Plate		Blind Cover Plate	70677 T	
		IP44 Kit for MEC 21 Mechanisms - Single Rocker 			21981	
		IP44 Kit for MEC 21 Mechanisms - Double Rockers			21982	
		Cover for Mechanisms Protection Compatible with all Mec21 mechanisms.			21971	
		Level and Mounting Accessory for MEC 21 Mechanisms			21989	
		Card for Card-system Switch			21999	
		Long Claw for Mechanisms MEC 21 Compatible with Control Devices.			21998	
		Double Rockers for Electronic Mechanisms Compatible with ref. 21164.			70610 T	
		Cover Plate for R - TV Socket Multibrand 2 Outputs 30 mm between hole centres.			70685 T	BR MF
		Cover Plate for R - TV - SAT Socket Multibrand 2 Outputs 30 mm between hole centres.			70686 T	
		Cover Plate for R - TV - SAT Socket Multibrand 3 Outputs 30 mm between hole centres.			70680 T	

T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; LR - Orange; VD - Green; VM - Red.

/ / - Screw Connection

accessories

ref. color

various

**Universal Cover Ring / Adapter for 45x45 Modules****70881 T** BR MF VM**Replacement LED for MEC 21 / 48 Series - 250 V ~**

For replacement in orienting light and pilot light mechanisms.

81019**Replacement LED for MEC 21 / 48 Series - 12 V ~**

For replacement in orienting light and pilot light mechanisms.

81018**Infrared Remote Control Transmitter Multifunctions**To control the Multifunctional Thermostat.
For controlling Blinds Controls.
Works with CR 2032 battery, not included.**81900**

surface and flush-mounted boxes

**Sirius 70 Series Surface Mounting Box****10975 A** BR MF**Flush Mounting Box**

To be used in installations with trunkings with L75 Covers.

10984 A BR**Semi-Flush Mounting Box**

To be used in installations with trunkings with L75 Covers.

10985 A BR

relays for blinds controls

**Automatic Relay for Blinds Control**

6 A - 230 V ~ I 50 Hz

Temporized.

Connect to the Double Push-buttons and to the Venetian Double Push-buttons.

[i See Technical Data Sheet - page 280](#)**81512****Relay for Blinds Control**

6 A - 230 V ~ I 50 Hz

Not temporized.

Connect locally to Venetian Double Push-button (Ref. 21283 / 45283 S).

[i See Technical Data Sheet - page 280](#)**81511**

complete devices

ref. color

**Monoblock Safety Earth Socket (Schuko Type) with Screwless Terminals**

16 A - 250 V ~

70139 C**Monoblock Safety Earth Socket (Schuko Type)**

16 A - 250 V ~

70138 C**Monoblock Earth Socket (Schuko Type)**

16 A - 250 V ~

70135 C BR MF**Monoblock Double Safety Earth Socket (Schuko Type)**

16 A - 250 V ~

70332 C**Monoblock Double Earth Socket (Schuko Type)**

16 A - 250 V ~

70331 C

A - Accessory; C - Complete Device; T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory; VM - Red.

/ / - Screw Connection

complete devices		ref.	color
	Monoblock Double Safety 2P Socket 16 A - 250 V ~	70322 C	
	Monoblock Double 2P Socket 16 A - 250 V ~	70321 C	
BR MF			
	Earth Socket (British Type) with Switch 13 A - 250 V ~	70184 C	
			
	Earth Socket (British Type) with Switch and Pilot Lamp 13 A - 250 V ~	70183 C	
			
	Flush Mounting Schuko Socket for EV Charging new 16 A - 250 V ~ See Technical Data Sheet - page 288	81132	
	Flush Mounting French Socket for EV Charging new 16 A - 250 V ~ See Technical Data Sheet - page 288	81112	
	Surface Schuko Socket for EV Charging new 16 A - 250 V ~ See Technical Data Sheet - page 287	81751	
	Surface French Socket for EV Charging new 16 A - 250 V ~ See Technical Data Sheet - page 287	81752	

frames

							
Single 70910 T	Double Horizontal 70921 T	Double Vertical 70922 T	Triple Horizontal 70931 T	Triple Vertical 70932 T	Four-Gang Horizontal 70941 T	Four-Gang Vertical 70942 T	Waterproof 70961 T
finishings							

Classic

See finishings colours on page 58

C - Complete Device; T - Rocker, Cover Plate or Frame. | BR - White; MF - Ivory.

 /  /  - Screw Connection

[See Frames Dimensions - page 235](#)

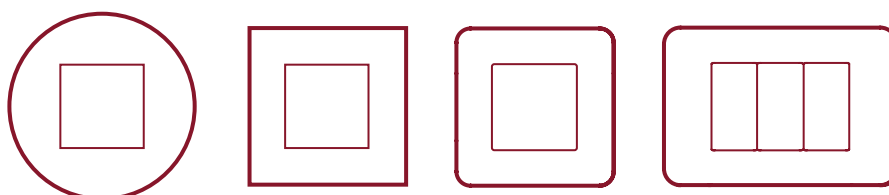


system mec Q45

SIZA

QUADRA

LATINA





MEC Q45

Semi-assembled mechanism that makes assembly and the choice of functions and finishings simple.

A system where you can choose from 3 series (of them with different matrices, the LATINA), with a simple design.

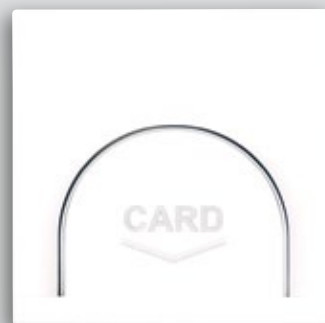
Various functions, easy to choose frames, colours and finishings for each series.

1. Reference

- the **semi-assembled device**;
- the corresponding **adapter**;
- the **frame** of the selected series.

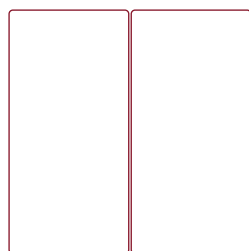
2. Finishing

- add to the frame and to the semi-assembled device reference a two letter **suffix**, corresponding to the **finishing** you need.

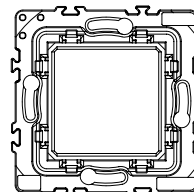
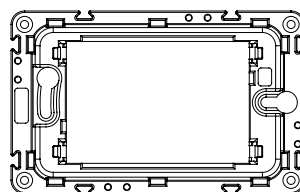
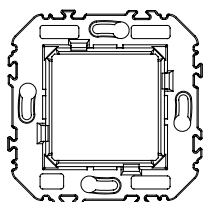


SEMI-ASSEMBLED MECHANISM,
easy to assemble and simple to choose

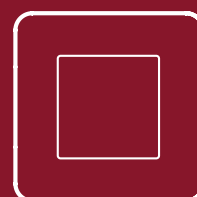
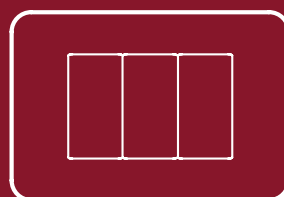
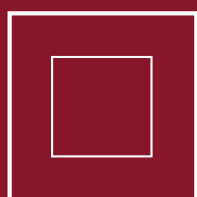
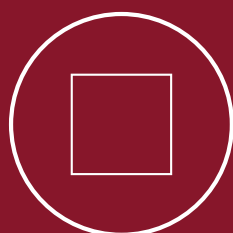
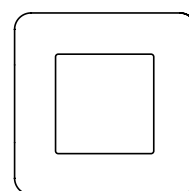
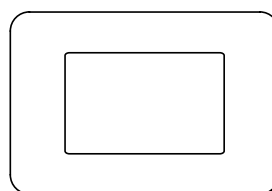
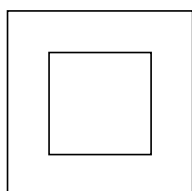
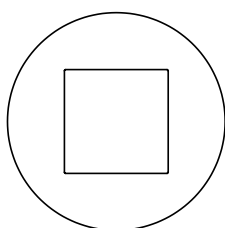
SEMI-ASSEMBLED MECHANISM



ADAPTER



FRAME



SIZE

QUADRA

LATINA





Filipe Pina Arquitectura • www.fp-apt • Photo - João Morgado

MEC Q45

Finishings

- Siza	80
- Quadra	84
- Latina	86

Functions

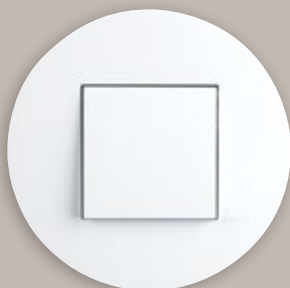
- Control Devices	94
- Motion Detectors	98
- Temperature Control	99
- Orientation and Light Indicators	99
- Data, Voice and Image Sockets	100
- USB Chargers	104
- Energy Sockets	104

Accessories	107
--------------------	------------

Complete devices	110
-------------------------	------------

Frames	112
---------------	------------

standard



BR
White

matte and aluminium



BM
Matte White



PM
Matte Black

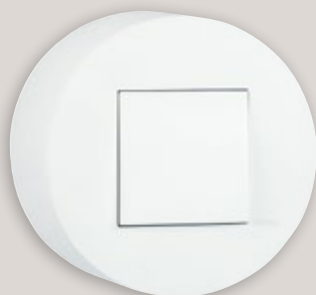


AL
Aluminium



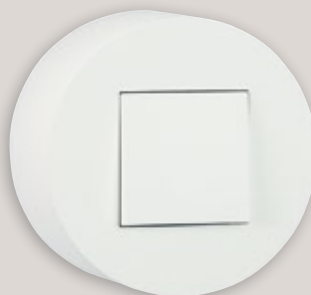
surface box

standard



BR
White

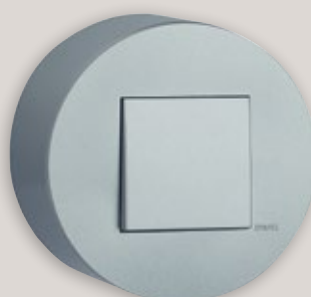
matte and aluminium



BM
Matte White



PM
Matte Black



AL
Aluminium



**surface
box**

SIZA

standard



BR
White

matte and aluminium



BM
Matte White



PM
Matte Black

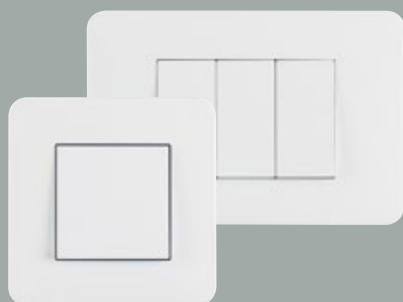


AL
Aluminium



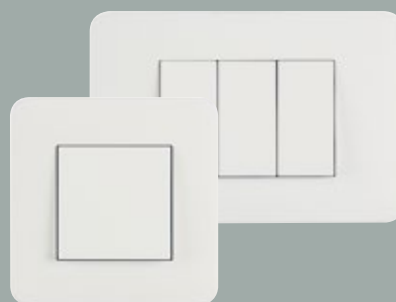


standard



BR
White

aquarella



BM
Matte White



AL
Aluminium



PM
Matte Black

lyra



CE
Beige



AM
Yellow



AZ
Blue



VR
Green



LR
Orange



RJ
Red

ligna

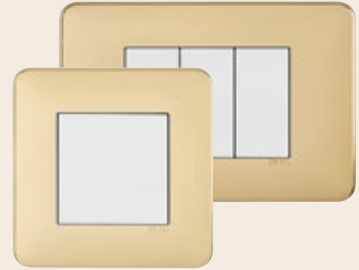
metallum



RO
Oak



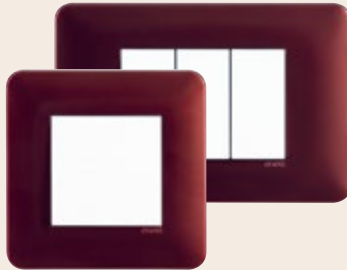
LU
Aluminium



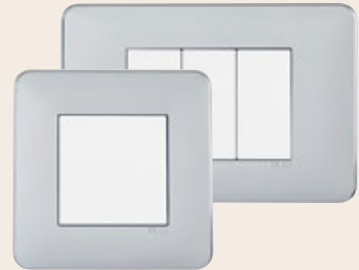
OR
Gold



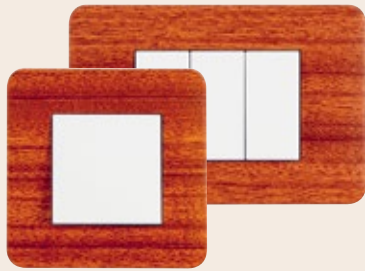
FA
Beech



RB
Ruddy



CR
Chrome



MG
Mahogany



CO
Copper



WG
Wenge

Croma

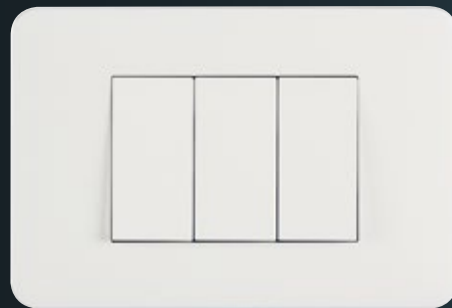
At the root of the entire Latina series is the Croma range and its organic design with its curved, well-defined lines. The metallic border combines strength with the sublime elegance that the ensemble transmits.



**Organic design
and elegance sublime.**



BH
Matte White / Chrome

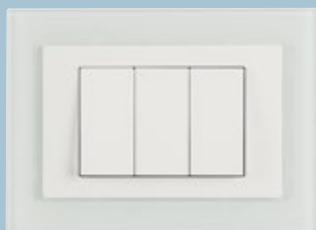


AH
Aluminium / Chrome



PH
Matte Black / Chrome





CB
Crystal / Matte White



CA
Crystal / Aluminium



EA
Black Crystal / Aluminium



CK
Crystal / Matte Black



EP
Black Crystal / Matte Black



EB
Black Crystal / Matte White



Crystal

With glass as the protagonist, Crystal from the Latina series combines the distinctive touch of elegance with the strong personality of the material and simplicity of the design.

Show your decor.

control devices

ref.

color

**Single Pole Switch - 2 Modules**

10 AX - 250 V ~

45011 S**Single Pole Switch - 1 Module**

10 AX - 250 V ~

45010 S**Single Pole Switch with Orienting Light - 2 Modules**

10 AX - 250 V ~

To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.

45012 S**Single Pole Switch with Orienting Light - 1 Module**

10 AX - 250 V ~

To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.

45015 S**Single Pole Switch with Pilot Lamp - 2 Modules**

10 AX - 250 V ~

45013 S**Single Pole Switch with Pilot Lamp - 1 Module**

10 AX - 250 V ~

45016 S**Two-pole Switch - 2 Modules**

10 AX - 250 V ~

45021 S**Two-pole Switch - 1 Module**

10 AX - 250 V ~

45020 S**Two-pole Switch with Pilot Lamp - 2 Modules**

10 AX - 250 V ~

45023 SBR
BM PM AL**Two-pole Switch with Pilot Lamp - 1 Module**

10 AX - 250 V ~

45026 S**Card-system Timer Switch - 2 Modules** e new

16 A (cos φ =1) - 100 - 240 V ~ | 50 - 60 Hz

Operating time regulation: 0 seconds to 60 seconds

Output: NO or NC

Voltage free output contact.

[See Technical Data Sheet - page 268](#)**45033 S****Timer Switch - 2 Modules** e new

16 A (cos φ =1) - 100 - 240 V ~ | 50 - 60 Hz

Operating time regulation: 0 seconds to 15 minutes

Output: NO or NC

Voltage free output contact.

[See Technical Data Sheet - page 267](#)**45040 S****One Circuit Digital Time Switch - 2 Modules** e

6 A (cos φ =1) - 230 V ~ | 50/60 Hz

Type of outputs: ON, OFF and PULSE

[See Technical Data Sheet - page 269](#)**45041 S****Two Circuits Digital Time Switch - 2 Modules** e

6 A + 6 A (cos φ =1) - 230 V ~ | 50/60 Hz

Type of outputs: ON, OFF and PULSE

[See Technical Data Sheet - page 269](#)**45042 S****Two Circuits Switch - 2 Modules**

10 AX - 250 V ~

45061 S

S - Semi-assembled, | BR - White; BM - Matte White; PM - Matte Black; AL - Aluminium.

/ / - Screw Connection

e ECO - Saving energy and contributing to energy efficiency.

Control Devices

ref. color

	Two-way Switch - 2 Modules 10 AX - 250 V ~	45071 S	
	Two-way Switch - 1 Module 10 AX - 250 V ~	45070 S	
	Two-way Switch with Orienting Light - 2 Modules 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.	45072 S	
	Two-way Switch with Orienting Light - 1 Module 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.	45074 S	
	Two-way Switch with Pilot Lamp - 2 Modules 10 AX - 250 V ~	45073 S	
	Two-way Switch with Pilot Lamp - 1 Module 10 AX - 250 V ~	45076 S	
	Two-pole Two-way Switch - 2 Modules 10 AX - 250 V ~	45077 S	
	Intermediate Switch - 2 Modules 10 AX - 250 V ~	45051 S	BR BM PM AL
	Intermediate Switch - 1 Module 10 AX - 250 V ~	45050 S	
	Intermediate Switch with Orienting Light - 2 Modules 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.	45052 S	
	Intermediate Switch with Orienting Light - 1 Module 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.	45053 S	
	Rocker Push-button - 2 Modules 10 A - 250 V ~	45151 S	
	Rocker Push-button - 1 Module 10 A - 250 V ~	45161 S	
	Rocker Push-button (NO + NC) - 2 Modules 10 A - 250 V ~	45150 S	
	Rocker Push-button (NO + NC) - 1 Module 10 A - 250 V ~	45166 S	

S - Semi-assembled. | BR - White; BM - Matte White; PM - Matte Black; AL - Aluminium.

control devices

ref.

color



Rocker Push-button with Bell Symbol - 2 Modules (🔔)

10 A - 250 V ~

45177 S



Rocker Push-button with Bell Symbol - 1 Module (🔔)

10 A - 250 V ~

45167 S



Rocker Push-button with Light Symbol - 2 Modules (💡)

10 A - 250 V ~

45179 S



Rocker Push-button with Light Symbol - 1 Module (💡)

10 A - 250 V ~

45169 S



Rocker Push-button with Orienting Light (250 V ~) - 2 Modules

10 A - 250 V ~

45152 S



Rocker Push-button with Orienting Light (250 V ~) - 1 Module

10 A - 250 V ~

45160 S



Rocker Push-button with Orienting Light (12 V ~) - 2 Modules

6 A - 12 V ~

45162 S



Rocker Push-button with Orienting Light (12 V ~) - 1 Module

6 A - 12 V ~

45163 S

BR
BM PM AL



Rocker Push-button with Independent Pilot Lamp (250 V ~) - 2 Modules

10 A - 250 V ~

45154 S



Rocker Push-button with Independent Pilot Lamp (250 V ~) - 1 Module

10 A - 250 V ~

45153 S



Rocker Push-button with Independent Pilot Lamp (12 V ~) - 2 Modules

6 A - 12 V ~

45158 S



Rocker Push-button with Independent Pilot Lamp (12 V ~) - 1 Module

6 A - 12 V ~

45157 S



Rocker Push-button with Orienting Light with Symbol Luz - 2 Modules (💡)

10 A - 250 V ~

45172 S



Rocker Push-button with Orienting Light with Symbol Luz - 1 Module (💡)

10 A - 250 V ~

45171 S



Double Rocker Push-button - 2 Modules

10 A - 250 V ~

45156 S

Rocker Push-button/Two-way Switch - 2 Modules

10 AX - 250 V ~

45159 S

S - Semi-assembled. | BR - White; BM - Matte White; PM - Matte Black; AL - Aluminium.

control devices

ref. color



Electronic Very Low Voltage 4-Gang Push-button - 2 Modules

12 V $\overline{\text{---}}$ - 50 mA / 32 V $\overline{\text{---}}$ - 18 mA

[See Technical Data Sheet - page 270](#)

45164 S



Rotary Switch - 2 Modules

10 AX - 250 V ~

45302 S



Rotary Two-way Switch - 2 Modules

10 AX - 250 V ~

45301 S



Key Lock Two-way Switch - 2 Modules

10 AX - 250 V ~

ON - OFF - ON

It allows to remove the key in 3 positions.

45352 S

BR
BM PM AL



Key Lock Push-button - 2 Modules

10 A - 250 V ~

ON - OFF - ON

Allows key removal in OFF position.

45351 S



Pull-cord Two-way Switch - 2 Modules

10 AX - 250 V ~

NO + NC

Cord with approximately 65 cm.

45092 S



Pull-cord Push-button (NO + NC) - 2 Modules

10 A - 250 V ~

NO + NC

Cord with approximately 65 cm.

45090 S



blinds control

Venetian Switch - 2 Modules

10 A - 250 V ~

Switch function.

Electrical and mechanical blockade against two occasional simultaneous orders.

Toggles automatically one rocker when the other is pressed.

45293 S



Venetian Switch with Mechanical Blockage - 2 Modules

10 A - 250 V ~

Switch function.

Electrical and mechanical blockade against two occasional simultaneous orders.

It is necessary to press "STOP" before changing the direction of movement.

45295 S

Venetian Double Push-button - 2 Modules

10 A - 250 V ~

Push-button function.

Electrical blockade against two occasional simultaneous orders.

45281 S



Venetian Double Push-button for Multiple Points Blinds Control - 2 Modules

10 A - 250 V ~

Push-button function.

Electrical blockade against two occasional simultaneous orders.

It allows to control a blind from several points.

To be used with Relay for Blinds Control (Ref. 81511).

45283 S

Rotary Two-way Switch - 2 Modules

10 A - 250 V ~

ON - OFF - ON.

45305 S



Rotary Push-button - 2 Modules

10 A - 250 V ~

ON - OFF - ON.

45303 S



S - Semi-assembled. | BR - White; BM - Matte White; PM - Matte Black; AL - Aluminium.

/ / - Screw Connection

control devices

ref.

color

blinds control

**General Blinds Control Module with Infrared Remote Control - 2 Modules** e new

100 V ~ - 240 VA | 50 - 60Hz

240 V ~ - 500 VA | 50 - 60 Hz

Possibility to use the Infrared Remote Control Transmitter Multifunctions (Ref. 81900).

2 programmable functions (Up/Down).

Function: "Standby".

[See Technical Data Sheet - page 278](#)**45311 S**BR
BM PM AL**Local Blinds Control Module with Infrared Remote Control - 2 Modules** e new

100 V ~ - 240 VA | 50 - 60Hz

240 V ~ - 500 VA | 50 - 60 Hz

Possibility to use the Infrared Remote Control Transmitter Multifunctions (Ref. 81900).

[See Technical Data Sheet - page 278](#)**45312 S**

dimmers

**Dimmer RLC Rotary - 2 Modules** e new

100 - 240 V ~ | 50 - 60 Hz

5 - 250 W/VA

5 - 75 W LED's

No need for a neutral line (directly replaces a Single Pole Switch).

[See Technical Data Sheet - page 260](#)**45216 S**BR
BM PM AL**Dimmer RLC Switch - 2 Modules** e new

100 - 240 V ~ | 50 - 60 Hz

5 - 250 W/VA

5 - 75 W LED's

No need for a neutral line (directly replaces a Single Pole Switch).

Possibility to pre-set lighting: Orienting Light, Pilot Lamp, Always ON and OFF

[See Technical Data Sheet - page 261](#)**45218 S**

motion detectors

ref.

color

**Motion Detector - 1000 W - 2 Modules** e new

100 - 240 V ~ | 50 - 60 Hz

Light sensitivity and operating time adjustment.

Range of detection: 12 meters

Angle of detection: 160°

Inverter contact, voltage free

Relay output, compatible with all types of electric loads.

[See Technical Data Sheet - page 271](#)**45401 S****Motion Detector - 400 W - 2 Modules** e new

100 - 240 V ~ | 50 - 60 Hz

Light sensitivity and operating time adjustment.

Range of detection: 12 meters

Angle of detection: 160°

Inverter contact, voltage free

Relay output, compatible with all types of electric loads.

[See Technical Data Sheet - page 271](#)**45402 S****Motion Detector Wall Installation - 1000 W - 2 Modules** e new

100 - 240 V ~ | 50 - 60 Hz

Wall installation with frontal push-button

Light sensitivity and operating time adjustment.

Range of detection: 9 meters

Angle of detection: 160°

Inverter contact, voltage free

Relay output, compatible with all types of electric loads.

[See Technical Data Sheet - page 273](#)**45403 S**BR
BM PM AL**Motion Detector Wall Installation - 400 W - 2 Modules** e new

100 - 240 V ~ | 50 - 60 Hz

Wall installation with frontal push-button

Light sensitivity and operating time adjustment.

Range of detection: 9 meters

Angle of detection: 160°

Inverter contact, voltage free

Relay output, compatible with all types of electric loads.

[See Technical Data Sheet - page 273](#)**45404 S****S** - Semi-assembled. | **BR** - White; **BM** - Matte White; **PM** - Matte Black; **AL** - Aluminium.

/ / - Screw Connection

e ECO - Saving energy and contributing to energy efficiency.

temperature control

ref. color



Rotary Thermostat - 2 Modules e new

16 A (cos φ = 1) - 100 - 240 V ~ | 50 - 60 Hz

Temperature adjustment: +5 °C to 30 °C

Range of temperature readings: -9 °C to 35 °C

Systems control: heating and/or cooling.

Possibility of connecting the Floor Temperature Sensor (Ref. 81950), with automatic self-detection (for Protection only).

Anti Freeze Protection (Heating) and Thermal Protection (Cooling).

[See Technical Data Sheet - page 275](#)

45234 S



Multifunctional Thermostat - 2 Modules e new

16 A (cos φ = 1) - 100 - 240 V ~ | 50 - 60 Hz

Temperature control precision: 0,5 °C

Range of temperature readings: -9 °C to 35 °C

Systems control: heating and/or cooling.

Possibility of connecting the Floor Temperature Sensor (Ref. 81950), with automatic self-detection.

Temperature reading: Ambient or Temperature Sensor or both.

Possibility of remote control with Multifunctions IR Remote Control Transmitter (Ref. 81900).

Compatible with electrical and hydraulic systems.

Anti Freeze Protection (Heating) and Thermal Protection (Cooling).

[See Technical Data Sheet - page 276](#)

45236 S

BR
BM PM AL



Multifunctional Chronothermostat - 2 Modules e new

16 A (cos φ = 1) - 100 - 240 V ~ | 50 - 60 Hz

Allows daily/weekly programming

Temperature control precision: 0,5 °C

Range of temperature readings: -9 °C to 35 °C

Systems control: heating and/or cooling.

Possibility of connecting the Floor Temperature Sensor (Ref. 81950), with automatic self-detection.

Temperature reading: Ambient or Temperature Sensor or both.

Compatible with electrical and hydraulic systems.

Anti Freeze Protection (Heating) and Thermal Protection (Cooling).

[See Technical Data Sheet - page 277](#)

45235 S



Floor Temperature Sensor for Thermostat and Chronothermostat

Length: 4m

-10 °C to 50 °C

IP67

NTC 12 K/25 °C

81950

—

orientation and light indicators

ref. color



Led Pilot Light - 1 Module new

230 V ~ | 50 - 60 Hz

L - 0,4 W (4000 K)

[See Technical Data Sheet - page 264](#)

2^o Sem.
2024

45360 S

IC VD
VM LR



Led Pilot Light - 2 Modules

100 - 240 V ~ | 50 - 60 Hz

L1 - 0,2 W; L2 - 0,4 W (4000 K)

[See Technical Data Sheet - page 264](#)

45361 S



Double Led Pilot Light Green - Red - 1 Module

230 V ~ | 50 - 60 Hz

L1 - RED - 0,4 W; L2 - GREEN - 0,4 W

[See Technical Data Sheet - page 264](#)

2^o Sem.
2024

45363 S



Led Pilot Light Double State Green/Red - 2 Modules

100 - 240 V ~ | 50 - 60 Hz

L1 - RED - 0,4 W; L2 - GREEN - 0,4 W

[See Technical Data Sheet - page 264](#)

45365 S

—



Led Pilot Light Double State Green/Red - 1 Module

230 V ~ | 50 - 60 Hz

L1 - RED - 0,4 W; L2 - GREEN - 0,4 W

[See Technical Data Sheet - page 264](#)

2^o Sem.
2024

45364 S

S - Semi-assembled. | BR - White; BM - Matte White; PM - Matte Black; AL - Aluminium; IC - Colorless; VD - Green; VM - Red; LR - Orange.

/ / - Screw Connection

e ECO - Saving energy and contributing to energy efficiency.

orientation and light indicators

ref.

color



Triangular Pilot Light Double State Green/Red - 2 Modules

new

100 - 240 V ~ I 50 - 60 Hz

L1 - RED - 0,4 W; L2 - GREEN - 0,4 W

[See Technical Data Sheet - page 264](#)

45366 S

—



Led Triangular Pilot Light - 2 Modules

100 - 240 V ~ I 50 - 60 Hz

L1 - 0,2 W; L2 - 0,4 W (4000 K)

[See Technical Data Sheet - page 264](#)

45362 S

IC VD
VM LR



Led Pilot Light Double State Green/Red 12-24 V - 2 Modules

12 - 24 V =

L1 - RED - 0,4 W; L2 - GREEN - 0,4 W

[See Technical Data Sheet - page 264](#)

45368 S

—



Led Pilot Light Double State Green/Red 12-24 V - 1 Module

12 - 24 V =

L1 - RED - 0,4 W; L2 - GREEN - 0,4 W

[See Technical Data Sheet - page 264](#)

45367 S



White Orientation Light - 2 Modules

100 - 240 V ~ I 50 - 60 Hz

L1 - 0,2 W; L2 - 0,4 W (4000 K)

[See Technical Data Sheet - page 266](#)

45388 S



White Orientation Light with Battery - 2 Modules

100 - 240 V ~ I 50 - 60 Hz

L1 - OFF Signaling; L2 - ON Signaling.

[See Technical Data Sheet - page 266](#)

45389 S

BR
BM PM AL



Electronic Buzzer - 1 Module

100 - 240 V ~ I 50 - 60 Hz

[See Technical Data Sheet - page 255](#)

45369 S

data, voice and image sockets

ref.

color



USB Data Socket - 1 Module

Data pass-through socket via USB connection.

Maximum speed: 12 Mbit/s.

[See Technical Data Sheet - page 257](#)

45437 S



HDMI Socket with Connector - 1 Module

High definition audio and video pass-through socket between any transmitter (computer, DVD, ...) and a terminal (TV, LCD, Video projector,...).

Maximum resolution: 1080p.

[See Technical Data Sheet - page 256](#)

45435 S



HDMI Socket with Screwless Connect - 2 Modules

High definition audio and video pass-through socket between any transmitter (computer, DVD, ...) and a terminal (TV, LCD, Video projector,...).

Maximum resolution: 1080p.

[See Technical Data Sheet - page 256](#)

45436 S

BR
BM PM AL
MF GE PE
IS DU PR
GR PL CH



Female HD15 Socket - 2 Modules

Video pass-through socket between any transmitter (computer, DVD, ...) and a terminal (TV, LCD, Video projector, ...).

[See Technical Data Sheet - page 257](#)

45430 S



Female RCA Socket 3 Outputs - 1 Module

Video pass-through socket between any transmitter (computer, DVD, ...) and a terminal (TV, LCD, Video projector, ...).

[See Technical Data Sheet - page 257](#)

45580 S

S - Semi-assembled. I BR - White; BM - Matte White; PM - Matte Black; AL - Aluminium; MF - Ivory; GE - Ice; PE - Pearl; IS - Grey; DU - Golden; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne; IC - Colorless; VD - Green; VM - Red; LR - Orange.

/ PZX / PHX - Screw Connection

data, voice and image sockets

ref. color

modules with connectors

	Module with RJ45 Connector Cat. 6A UTP - 1 Module new See Technical Data Sheet - page 346		45440 S	
	Module with RJ45 Connector Cat. 6 UTP - 1 Module See Technical Data Sheet - page 346		45978 S	
	Module with RJ45 Connector Cat. 5e UTP - 1 Module		45975 S	
	Module with RJ11 Connector Cat. 3 - 1 Module		45972 S	
	Module with RJ45 Connector Cat. 6A STP - 1 Module new See Technical Data Sheet - page 347		45987 S	BR
	Module with RJ45 Connector Cat. 6 STP - 1 Module See Technical Data Sheet - page 347		45988 S	BM PM AL
	Module with RJ45 Connector Cat. 5e STP - 1 Module See Technical Data Sheet - page 347		45985 S	
	Module with Coaxial F-Type Connector - 1 Module		45979 S	
	Module with Male IEC / F-Type Connector - 1 Module		45982 S	
	Module with Female IEC / F-Type Connector - 1 Module		45983 S	

modules for connectors

	Module for Two RJ45 Connectors - 2 Modules (Without connectors) To be used with RJ Keystone type connector.		45971 S	
	Module for One RJ45 Connector - 2 Modules (Without connectors) To be used with RJ Keystone type connector.		45976 S	BR BM PM AL
	Module for One RJ45 Connector - 1 Module (Without connectors) To be used with RJ Keystone type connector.		45977 S	
	Blind Module - 1 Module		45970 S	BR BM PM AL MF GE PE IS PR GR PL CH

connectors

	RJ45 Cat. 6A UTP Connector new (500 MHz) See Technical Data Sheet - page 346		82021	
	RJ45 Cat. 6 UTP Connector (250 MHz) See Technical Data Sheet - page 346		21978	-
	RJ45 Cat. 6 UTP Connector - Rack Assembly (250 MHz) See Technical Data Sheet - page 347		82020	
	RJ45 Cat. 5e UTP Connector (100 MHz)		21975	

S - Semi-assembled, | BR - White; BM - Matte White; PM - Matte Black; AL - Aluminium; MF - Ivory; GE - Ice; PE - Pearl; IS - Grey; DU - Golden; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne.

 - Power over Ethernet

data, voice and image sockets

ref.

color

connectors

**RJ45 Cat. 6A STP Connector**

(500 MHz)

[See Technical Data Sheet - page 347](#)**82022****RJ45 Cat. 6 STP Connector**

(250 MHz)

[See Technical Data Sheet - page 347](#)**21988****RJ45 Cat. 5e STP Connector**

(100 MHz)

[See Technical Data Sheet - page 347](#)**21985****RJ11 Cat. 3 Connector****21972**

modules with couplers for fiber optic

**Module with Coupler for SC APC Duplex Fiber Optic Connector - 2 Modules**[See Technical Data Sheet - page 348](#)**45448 S****Module with Coupler for SC APC Simplex Fiber Optic Connector - 2 Modules**[See Technical Data Sheet - page 348](#)**45447 S**BR
BM PM AL**Module with Coupler for LC Duplex Fiber Optic Connector - 2 Modules**[See Technical Data Sheet - page 348](#)**45449 S****Protective Cover for Coupler for SC APC Simplex Fiber Optic Connector****82970****Protective Cover for Coupler for SC APC Duplex Fiber Optic Connector****82971**

radio, television and satellite sockets

STAR CONNECTION

**R - TV - SAT Socket Star Connection - 2 Modules**

4 - 47 MHz: < 2 dB

47 - 108 MHz: < 20 dB

108 - 862 MHz: < 2 dB

950 - 2400 MHz: < 3 dB

Current flow 500 mA (DC)

[See Technical Data Sheet - page 285](#)**45543 S**BR
BM PM AL**R - TV Socket Star Connection - 2 Modules**

4 - 47 MHz: < 2 dB

47 - 108 MHz: < 2 dB

108 - 1000 MHz: < 1 dB

[See Technical Data Sheet - page 285](#)**45533 S**

SERIAL CONNECTION

**R - TV - SAT Socket (Terminal Type) - 2 Modules**

4 - 47 MHz: < 9 dB

47 - 108 MHz: < 15 dB

108 - 862 MHz: < 9 dB

950 - 2400 MHz: < 6 dB

Current flow 500 mA (DC)

[See Technical Data Sheet - page 285](#)**45555 S****R - TV - SAT Socket (Crossover Type) - 2 Modules**

4 - 47 MHz: < 10 dB

47 - 108 MHz: < 20 dB

108 - 862 MHz: < 10 dB

950 - 2400 MHz: < 11 dB

Current flow 500 mA (DC)

Insertion losses: 3 dB

[See Technical Data Sheet - page 285](#)**45565 S**BR
BM PM AL**R - TV Socket (Terminal Type) - 2 Modules**

4 - 47 MHz: < 8 dB

47 - 108 MHz: < 8 dB

108 - 1000 MHz: < 7 dB

[See Technical Data Sheet - page 285](#)**45554 S****R - TV Socket (Crossover Type) - 2 Modules**

4 - 47 MHz: < 9 dB

47 - 108 MHz: < 9 dB

108 - 1000 MHz: < 9 dB

Insertion losses: 2 dB

[See Technical Data Sheet - page 285](#)**45564 S**

S - Semi-assembled. | BR - White; BM - Matte White; PM - Matte Black; AL - Aluminium.



- Power over Ethernet

new

USB Chargers



Fast charging for demanding solutions

Today, technology plays a crucial role in our lives. Increasingly modern and powerful smartwatches, smartphones and laptops have become indispensable elements, requiring efficient charging solutions.

EFAPEL's new USB chargers, **A+C**, **C+C** and **C Power Delivery** respond to this growing need, providing users with **fast and efficient charging**.



SIZA
USB Double Charger Type C



QUADRA
USB Charger Type C Power Delivery

USB chargers

ref.

color



USB Double Charger Type A with Output 20° - 2 Modules

100 - 240 V ~ | 50 - 60 Hz - 5 V $\equiv$ 3 A

Two USB type A output

[See Technical Data Sheet - page 282](#)

45384 S

BR
BM PM AL



USB Double Charger Type A - 2 Modules

100 - 240 V ~ | 50 - 60 Hz - 5 V $\equiv$ 2.1 A

[See Technical Data Sheet - page 282](#)

45439 S

BR



USB Chargeur Type A - 1 Module

100 - 240 V ~ | 50 - 60 Hz - 5 V $\equiv$ 1.5 A

[See Technical Data Sheet - page 282](#)

45383 S

BR
BM PM AL
MF GE PE
IS DU PR
GR PL CH



USB Double Charger Type A + Type C - 2 Modules **new**

100 - 240 V ~ | 50 - 60 Hz - 5 V $\equiv$ 3 A

One USB type A output + one USB type C output

[See Technical Data Sheet - page 282](#)

45381 S



USB Double Charger Type C - 2 Modules **new**

100 - 240 V ~ | 50 - 60 Hz - 5 V $\equiv$ 3 A

Two USB type C output

[See Technical Data Sheet - page 282](#)

45382 S

BR
BM PM AL



USB Charger Type C Power Delivery 30 W - 2 Modules **new**

100 - 240 V ~ | 50 - 60 Hz - 30 W

One USB type C output

[See Technical Data Sheet - page 282](#)

45398 S



USB Charger Type C - 1 Module **new**

100 - 240 V ~ | 50 - 60 Hz - 5 V $\equiv$ 2.4 A

One USB type C output

[See Technical Data Sheet - page 282](#)

45387 S

BR
BM PM AL
MF GE PE
IS DU PR
GR PL CH

energy sockets

ref.

color

SCHUKO



Safety Earth Socket (Schuko Type) Horizontal Apertures with Screwless Terminals - 2 Modules

16 A - 250 V ~

[See Technical Data Sheet - page 237](#)

45126 S



Safety Earth Socket (Schuko Type) Horizontal Apertures with Screwless Terminals and Hinged Lid - 2 Modules

16 A - 250 V ~

[See Technical Data Sheet - page 237](#)

45127 S

BR
BM PM AL
LR VD VM



Safety Earth Socket (Schuko Type) Horizontal Apertures - 2 Modules

16 A - 250 V ~

[See Technical Data Sheet - page 237](#)

45129 S



Safety Earth Socket (Schuko Type) Horizontal Apertures and Hinged Lid - 2 Modules

16 A - 250 V ~

[See Technical Data Sheet - page 237](#)

45128 S

S - Semi-assembled. | BR - White; BM - Matte White; PM - Matte Black; AL - Aluminium; MF - Ivory; GE - Ice; PE - Pearl; IS - Grey; DU - Golden; PR - Silver; GR - Graphite; PL - Platinum;
CH - Champagne; LR - Orange; VD - Green; VM - Red.

/ / - Screw Connection

energy sockets

ref. color

SCHUKO			
	Safety Earth Socket (Schuko Type) - 2 Modules 16 A - 250 V ~ Inclined 45° See Technical Data Sheet - page 237	45132 S	BR BM PM AL LR VD VM
	Earth Socket (Schuko Type) - 2 Modules 16 A - 250 V ~ Inclined 45° See Technical Data Sheet - page 237	45131 S	
	Earth Socket (Schuko Type) with Blockage - 2 Modules 16 A - 250 V ~ Inclined 45° Supplied with Blocking Pin for Mec Q45 sockets (Ref. 45991).	45136 S	VM
	Earth Socket (Schuko Type) with Blockage and Signal Light - 2 Modules 16 A - 250 V ~ Inclined 45° Supplied with Blocking Pin for Mec Q45 sockets (Ref. 45991).	45137 S	
FRENCH			
	Safety Earth Socket (French Type) Horizontal Apertures with Screwless Terminals - 2 Modules 16 A - 250 V ~ See Technical Data Sheet - page 237	45476 S	
	Safety Earth Socket (French Type) Horizontal Apertures with Screwless Terminals and Hinged Lid - 2 Modules 16 A - 250 V ~ See Technical Data Sheet - page 237	45477 S	
	Safety Earth Socket (French Type) Horizontal Apertures - 2 Modules 16 A - 250 V ~ See Technical Data Sheet - page 237	45479 S	BR BM PM AL LR VD VM
	Safety Earth Socket (French Type) Horizontal Apertures and Hinged Lid - 2 Modules 16 A - 250 V ~ See Technical Data Sheet - page 237	45475 S	
	Safety Earth Socket (French Type) - 2 Modules 16 A - 250 V ~ Inclined 45° See Technical Data Sheet - page 237	45112 S	
	Earth Socket (French Type) - 2 Modules 16 A - 250 V ~ Inclined 45° See Technical Data Sheet - page 237	45111 S	
	Earth Socket (French Type) with Blockage - 2 Modules 16 A - 250 V ~ Inclined 45° Supplied with Blocking Pin for Mec Q45 sockets (Ref. 45991).	45116 S	VM
	Earth Socket (French Type) with Blockage and Signal Light - 2 Modules 16 A - 250 V ~ Inclined 45° Supplied with Blocking Pin for Mec Q45 sockets (Ref. 45991).	45117 S	
EURO-AMERICAN			
	Safety Earth Socket (Euro-USA Type) - 2 Modules 15 A - 127 V ~ / 16 A - 250 V ~ See Technical Data Sheet - page 238	45142 S	BR BM PM AL
	Earth Socket (Euro-USA Type) - 2 Modules 15 A - 127 V ~ / 16 A - 250 V ~ See Technical Data Sheet - page 238	45140 S	

S - Semi-assembled, I BR - White; BM - Matte White; PM - Matte Black; AL - Aluminium; LR - Orange; VD - Green; VM - Red.

   - Screw Connection

energy sockets

ref. color

AMERICAN



Earth Socket (USA NEMA Type) - 2 Modules

15 A - 127 V ~
SASO 2204
NEMA 5-15

[See Technical Data Sheet - page 238](#)

45144 S

BR
BM PM AL
VM



Double Safety Earth Socket (USA Type) 127 V 15 A - 3 Modules

15 A - 127 V ~

[See Technical Data Sheet - page 238](#)

45147 S

BR
BM PM AL
VM



Double Earth Socket (USA Type) 127 V 15 A - 3 Modules

15 A - 127 V ~

[See Technical Data Sheet - page 238](#)

45146 S

BR
BM PM AL



Double Safety Earth Socket (USA Type) 125 V 20 A GFCI - 3 Modules

20 A - 125 V ~

Adapter included.

[See Technical Data Sheet - page 239](#)

41148 X

BL NG



Double Safety Earth Socket (USA Type) 125 V 15 A GFCI - 3 Modules

15 A - 125 V ~

Adapter included.

[See Technical Data Sheet - page 239](#)

41149 X

ITALIAN



Safety Earth Socket (Italian Type) 10 A - 1 Module

10 A - 250 V ~

[See Technical Data Sheet - page 238](#)

45423 S



Safety Earth Socket (Italian Type) 16 A - 1 Module

16 A - 250 V ~

[See Technical Data Sheet - page 238](#)

45425 S

BR
BM PM AL
VM



Safety Earth Socket (Italian Type) 10/16 A - 1 Module

16 A - 250 V ~

[See Technical Data Sheet - page 238](#)

45421 S

BRAZILIAN



Safety Earth Socket (Brazilian Type) 10 A - 1 Module

10 A - 250 V ~

[See Technical Data Sheet - page 238](#)

45413 S

BR
BM PM AL
VM



Earth Socket (Brazilian Type) 10 A - 1 Module

10 A - 250 V ~

[See Technical Data Sheet - page 238](#)

45412 S

BR
BM PM AL



Safety Earth Socket (Brazilian Type) 20 A - 1 Module

20 A - 250 V ~

[See Technical Data Sheet - page 238](#)

45415 S

BR
BM PM AL
VM



Earth Socket (Brazilian Type) 20 A - 1 Module

20 A - 250 V ~

[See Technical Data Sheet - page 238](#)

45414 S

BR
BM PM AL

S - Semi-assembled; X - Semi-assembled with adapter. | BR - White; BM - Matte White; PM - Matte Black; AL - Aluminium; VM - Red; BL - White; NG - Black.

⊖ / / - Screw Connection

energy sockets

ref. color

pre-cabled double and triple sockets for assembly in trunkings ETS 10 - distribution

SCHUKO

	Block of Two Safety Earth Sockets (Schuko Type) - 4 Modules 16 A - 250 V ~	45192 S	
	Block of Two Earth Sockets (Schuko Type) - 4 Modules 16 A - 250 V ~	45190 S	
	Block of Three Safety Earth Sockets (Schuko Type) - 6 Modules 16 A - 250 V ~	45196 S	BR VM
	Block of Three Earth Sockets (Schuko Type) - 6 Modules 16 A - 250 V ~	45194 S	

FRENCH

	Block of Two Safety Earth Socket (French Type) - 4 Modules 16 A - 250 V ~	45193 S	
	Block of Two Earth Socket (French Type) - 4 Modules 16 A - 250 V ~	45191 S	
	Block of Three Safety Earth Sockets (French Type) - 6 Modules 16 A - 250 V ~	45197 S	BR VM
	Block of Three Earth Sockets (French Type) - 6 Modules 16 A - 250 V ~	45195 S	

accessories

ref. color

cable outlets

	Cable Outlet - 2 Modules With cable fixation system.	45170 S	
	Cable Outlet with 3 Terminals - 2 Modules 3x2,5 mm ² - 450 V ~	45173 S	BR BM PM AL
	Cable Outlet with 4 Terminals - 2 Modules 4x1,5 mm ² - 450 V ~	45174 S	

mec Q45

	48 Series Box with Cover for Mec Q45 Mechanisms Series Enables the installation of Mec Q45 Series mechanisms on 48 Series IP65 (except electronic devices and data sockets).	IP65 48998 C	CZ BR
	Adapter for Q45 Modules to Panelboards	45990 A	BR
	Rocker for Two Mechanisms of 1 Module - 2 Modules	45077 T	
	Double Rockers for Electronic Mechanisms - 2 Modules Compatible with ref. 45164 S.	45610 T	
	Cover Plate for R-TV Sockets Multibrand - 2 Modules new 30 mm between hole centres. See Dimensions - page 240	45685 T	BR BM PM AL
	Cover Plate for RTV-SAT Sockets Multibrand - 2 Modules new 30 mm between hole centres. See Dimensions - page 240	45686 T	

S - Semi-assembled; C - Complete Device; A - Accessory; T - Rocker, Cover Plate or Frame. | BR - White; BM - Matte White; PM - Matte Black; AL - Aluminium; VM - Red; CZ - Grey.

 /  /  - Screw Connection

accessories

ref. color

mec Q45

	Blind Cover Plate - 2 Modules	45677 S	BR BM PM AL MF GE PE IS DU PR GR PL CH
	Blind Cover Plate - 1 Module	45973 S	
	Blocking Pin for Mec Q45 Series Sockets	45991	
	90° Positioner for 2 Modules For semi-assembled devices of Mec Q45 Series in Desktop Workstation, Columns and Minicolumns. Enables device assembly with 90° rotation.	45992	
	Mounting Level for Mec Q45 Mechanisms	81989	
	Infrared Remote Control Transmitter Multifunctions To control the Multifunctional Thermostat. For controlling Blinds Controls. Works with CR 2032 battery, not included.	81900	—
	WC Pictograms for Led Pilots new	81960	
	Numerical Pictograms for Led Pilots new	81961	
	Spaces Pictograms for Led Pilots new	81962	
	Indications Pictograms for Led Pilots new	81963	

Siza and Quadra

	Cover for Adapter and Mechanisms Protection - 2 Modules	45998	—
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Latina

	Cover for Adapter and Mechanisms Protection - 2 Modules	42980	
	Cover for Adapter and Mechanisms Protection to 3 Modules	41984	—
	90° Positioner for Adapters Vertical positioner for side mounting of MEC Q45 mechanisms.	41992	

relays for blinds controls

	Automatic Relay for Blinds Control 6 A - 230 V ~ I 50 Hz Temporized. Connect to the Double Push-buttons and to the Venetian Double Push-buttons. See Technical Data Sheet - page 280	81512	—
	Relay for Blinds Control 6 A - 230 V ~ I 50 Hz Not temporized. Connect locally to Venetian Double Push-button (Ref. 21283 / 45283 S). See Technical Data Sheet - page 280	81511	

S - Semi-assembled. | BR - White; BM - Matte White; PM - Matte Black; AL - Aluminium; MF - Ivory; GE - Ice; PE - Pearl; IS - Grey; DU - Golden; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne.

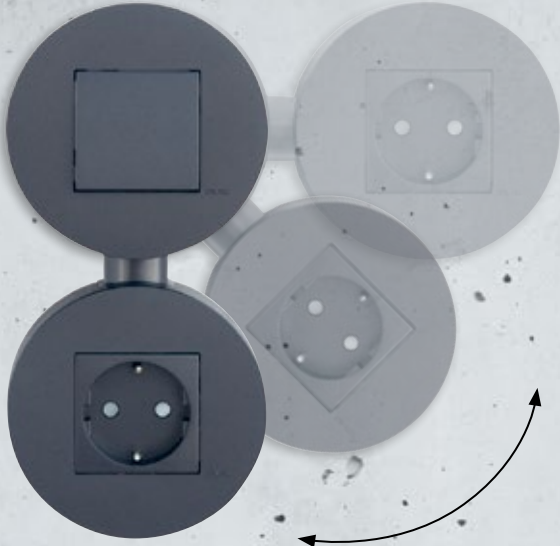
⊖ / Ⓢ / Ⓢ_{PHX} - Screw Connection

Surface Mounting Box
SIZA

Individual



Vertical or Horizontal Double



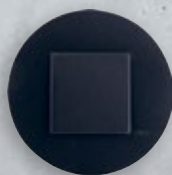
FINISHINGS



BR
White



BM
Matte White



PM
Matte Black



AL
Aluminium

accessories

ref. color

surface mounting box

SIZA



Surface Mounting Box for Siza Series **new**

43996 A

BR
BM PM AL



Connect Gland Surface Box for Siza Series **new**

43999 A

QUADRA



Surface Mounting Box Modular

45996 A

BR
BM PM AL



Cover Plate for Surface Mounting Box Modular
Supplied with Divider (Ref. 10982 A).

45997 A



Divider for Surface Mounting Box Modular

10982 A

—

LATINA - EUROPEAN MATRIX



Surface Mounting Box - 2 Modules **new**
Fixiting Adapter to use: 2 Modules (Ref. 42993).

42985 A

BR
BM PM AL



Surface Mounting Box - 3 Modules **new**
Fixiting Adapter to use: 3 Modules (Ref. 41994).

41986 A



Surface Mounting Box - 3+3 Modules **new**
Fixiting Adapter to use: 3+3 Modules (Ref. 41995).

41987 A

BR
BM PM AL



Surface Mounting Box - 4 Modules **new**
Fixiting Adapter to use: 4 Modules (Ref. 41996).

41988 A



Surface Mounting Box - 6 Modules **new**
Fixiting Adapter to use: 6 Modules (Ref. 41997).

41989 A

complete devices

ref. color

modular pre-cabled double and triple monoblock sockets for trunkings with covers of 75mm width (L75)

SCHUKO



Block of Two Safety Modular Earth Sockets (Schuko Type) L75 - 4 Modules
16 A - 250 V ~

45240 C



Block of Three Safety Modular Earth Sockets (Schuko Type) L75 - 6 Modules
16 A - 250 V ~

45242 C



Block of Three Modular Earth Sockets (Schuko Type) L75 - 6 Modules
16 A - 250 V ~

45243 C

BR VM

A - Accessory; C - Complete Device. | BR - White; BM - Matte White; PM - Matte Black; AL - Aluminium; VM - Red.

⊖ / ⚡PZ2 / ⚡PHK - Screw Connection

complete devices

ref. color

modular pre-cabled double and triple monoblock sockets for trunkings with covers of 75mm width (L75)

FRENCH

**Block of Two Safety Modular Earth Socket (French Type) L75 - 4 Modules**

16 A - 250 V ~

45246 C

BR VM

**Block of Three Modular Earth Sockets (French Type) L75 - 6 Modules**

16 A - 250 V ~

45247 C

pre-cabled double and triple monoblock sockets for trunkings with covers of 75mm width (L75)

SCHUKO

**Block of Two Safety Earth Sockets (Schuko Type) L75 - 4 Modules**

16 A - 250 V ~

45262 C**Block of Two Earth Sockets (Schuko Type) L75 - 4 Modules**

16 A - 250 V ~

45260 C

BR VM

**Block of Three Safety Earth Sockets (Schuko Type) L75 - 6 Modules**

16 A - 250 V ~

45266 C**Block of Three Earth Sockets (Schuko Type) L75 - 6 Modules**

16 A - 250 V ~

45264 C

FRENCH

**Block of Two Safety Earth Socket (French Type) L75 - 4 Modules**

16 A - 250 V ~

45263 C**Block of Two Earth Socket (French Type) L75 - 4 Modules**

16 A - 250 V ~

45261 C

BR VM

**Block of Three Safety Earth Sockets (French Type) L75 - 6 Modules**

16 A - 250 V ~

45267 C**Block of Three Earth Sockets (French Type) L75 - 6 Modules**

16 A - 250 V ~

45265 C

socket for EV charging

**Flush Mounting Schuko Socket for EV Charging** **new**

16 A - 250 V ~

81132[See Technical Data Sheet - page 288](#)**Surface Schuko Socket for EV Charging** **new**

16 A - 250 V ~

81751[See Technical Data Sheet - page 287](#)C - Complete Device, | **BR** - White; **VM** - Red.

/ / - Screw Connection

frames - horizontal or vertical mounting

SIZA Series - frames and respective fixing adapters

					
Single * 43910 T	Double 43920 T	Triple 43930 T	Four-Gang 43940 T	Adapter Q45 45993	Adapter Q45 with Claws 45994
finishings					
Standard Matte and Aluminium				See finishing colours Siza on page 80	

* Applicable with Surface Mounting Box (round for Siza - page 110)

QUADRA Series - frames and respective fixing adapters

					
Single 45910 T	Double 45920 T	Triple 45930 T	Four-Gang 45940 T	Adapter Q45 45993	Adapter Q45 with Claws 45994
finishings					
Standard Matte and Aluminium				See finishing colours Quadra on page 84	

LATINA Series - frames and respective fixing adapters - EUROPEAN MATRIX

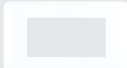
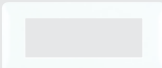
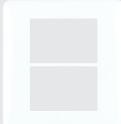
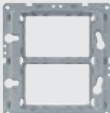
						
Single 42910 T	Double 42920 T	Triple 42930 T	Four-Gang 42940 T	new IP44 Waterproof 42961 T	Fixing Adapter 42993	Fixing Adapter with Claws 42994
Finishings						
Standard Aquarella Lyra Ligna Metallum Croma				Standard Aquarella	See finishing colours Latina from page 87 to page 91	

T - Rocker, Cover Plate or Frame.

[See Frames Dimensions Siza and Adapters - page 246](#) | [Frames Quadra and Adapters - page 247](#) | [Frames Latina \(European Matrix\) and Adapters - page 248 and 249](#)

frames - horizontal or vertical mounting

LATINA Series - frames and respective fixing adapters - ITALIAN MATRIX

3 Modules					
				2° Sem. 2024 new IP55 	
1 Module 41913 T	2 Modules 41914 T	1+1 Modules 41915 T	3 Modules 41916 T	Waterproof 41962 T	Fixing Adapter 41994
finishings					
Standard Aquarella	Standard Aquarella	Standard Aquarella	Standard Aquarella Lyra Ligna Metallum Croma Crystal	Standard	
4 Modules		6 Modules		3+3 Modules	
					
4 Modules 41917 T	Fixing Adapter 41996	6 Modules 41918 T	Fixing Adapter 41997	3+3 Modules 41926 T	Fixing Adapter 41995
finishings					
Standard Aquarella Lyra Ligna Metallum Croma		Standard Aquarella Lyra Ligna Metallum Croma		Standard Aquarella Lyra Ligna Metallum Croma Crystal	
See finishing colours Latina from page 87 to page 93					

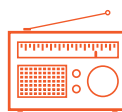
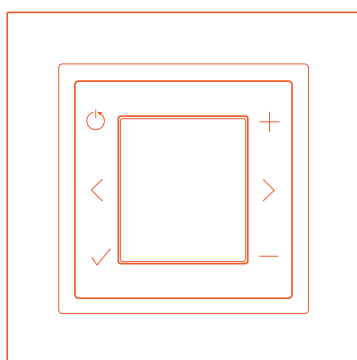
T - Rocker, Cover Plate or Frame.

See Frames Dimensions Latina (Italian Matrix) and Adapters - page 250 to 262



surrounding sound

JAZZ⁺







new
SURROUNDING
SOUND

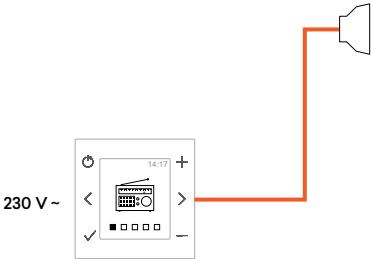
jazz⁺

new

Solo (230 V ~)	118
Control Units	118
Orquestra (12 V =)	119
Central	119
Control Units	119
Loudspeakers	120
Power Supplies	121
Accessories	121

SOLO

(230 V ~)



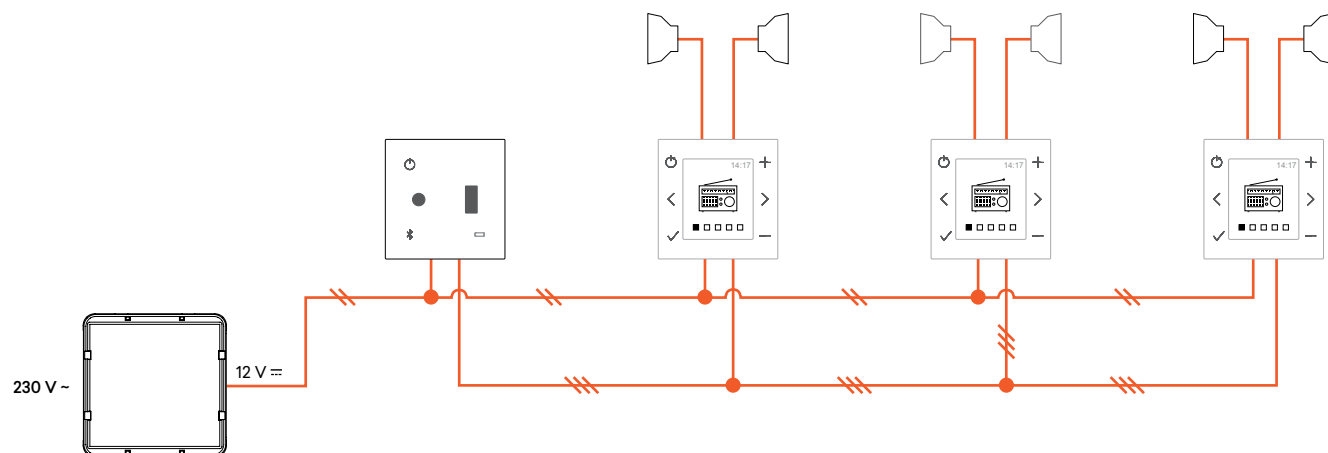
control units		ref.	cover plates		ref.	color
mec 21						
	Control Unit FM and Bluetooth 230 V~ 100 - 240 V ~ With FM radio tuner. Compatible Bluetooth. See Technical Data Sheet - page 294	75201		90855 T	BR MF GE PE AL IS PM DU	
MEC Q45						
	Control Unit FM with Display and Bluetooth 230 V~ - 2 Modules 100 - 240 V ~ With FM radio tuner. Compatible Bluetooth. See Technical Data Sheet - page 294			50855 T	BR MF BM PM PR GR PL CH	
mec 21						
	Control Unit FM 230 V~ 100 - 240 V ~ With FM radio tuner. See Technical Data Sheet - page 294	75200		90854 T	BR MF GE PE AL IS PM DU	
MEC Q45						
	Control Unit FM 230 V~ - 2 Modules 100 - 240 V ~ With FM radio tuner. See Technical Data Sheet - page 294			50854 T	BR MF BM PM PR GR PL CH	
MEC Q45						
				75401 S	BR BM PM AL	
mec 21						
				90855 T	BR MF BM PM PR GR PL CH	
MEC Q45						
				50855 T	BR MF BM PM PR GR PL CH	
MEC Q45						
				75401 S	BR BM PM AL	

T - Rocker, Cover Plate or Frame; S - Semi-assembled. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden; BM - Matte White; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne.
Finishings LOGUS 90 - page 14 to 19 | APOLO 5000 - page 38 | SIZA - page 80 | QUADRA - page 84 | LATINA - page 87 to 93.

ORQUESTRA

(12 V ~)

With Central



central

ref.

cover plates

ref.

color

mec 21

**Central with USB, Bluetooth and 3,5 mm 12 V ~**

Allows input and distribution of 1 external supply of type Jack 3,5 mm, USB or Bluetooth.
Distributes sound up to 8 control units.

[See Technical Data Sheet - page 291](#)

75211



Cover Plate for Central with USB, Bluetooth and Jack 3,5 mm

90856 T

BR MF
GE PE AL
IS PM DU

50856 T

BR MF
BM PM
PR GR PL CH

MEC Q45

**Central with USB, Bluetooth and 3,5 mm 12 V ~ - 2 Modules**

Allows input and distribution of 1 external supply of type Jack 3,5 mm, USB or Bluetooth.
Distributes sound up to 8 control units.

[See Technical Data Sheet - page 291](#)

75411 S

BR
BM PM AL

control units

ref.

cover plates

ref.

color

mec 21

**Control Unit FM and Bluetooth 12 V ~**

With FM radio tuner.
Compatible Bluetooth.

[See Technical Data Sheet - page 292](#)

75221



Cover Plate for Control FM with Display

90855 T

BR MF
GE PE AL
IS PM DU

50855 T

BR MF
BM PM
PR GR PL CH

MEC Q45

**Control Unit FM with Display and Bluetooth 12 V ~ - 2 Modules**

With FM radio tuner.
Compatible Bluetooth.

[See Technical Data Sheet - page 292](#)

75421 S

BR
BM PM AL

T - Rocker, Cover Plate or Frame; S - Semi-assembled. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden; BM - Matte White; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne.
Finishings LOGUS 90 - page 14 to 19 | APOLO 5000 - page 38 | SIZA - page 80 | QUADRA - page 84 | LATINA - page 87 to 93.

ORQUESTRA

control units

ref.

cover plates

ref.

color

mec 21



Control Unit FM 12 V ---
With FM radio tuner.
[See Technical Data Sheet - page 292](#)

75220



Cover Plate for Control FM with Display

90855 T

BR MF
GE PE AL
IS PM DU



50855 T

BR MF
BM PM
PR GR PL CH

mec Q45



Control Unit FM with Display 12 V --- - 2 Modules
With FM radio tuner.
[See Technical Data Sheet - page 292](#)

75420 S

BR
BM PM AL

loudspeakers

ref.

cover plates

ref.

color

5"



Loudspeaker of 5" - 8 Ohm
RMS: 35 W
Maximum power: 50 W
Frequency response: 75 - 20000 Hz
[See Technical Data Sheet - page 295](#)

75121



Round Grill for Loudspeaker of 5"
External dimension (mm): ø 204

75128 T

BR



Loudspeaker of 5" - 16 Ohm
RMS: 35 W
Maximum power: 50 W
Frequency response: 75 - 20000 Hz
[See Technical Data Sheet - page 295](#)

75122



Square Grill for Loudspeaker of 5"
Outside Dimensions (mm): 204 x 204

75129 T

3"



Loudspeaker of 3" - 8 Ohm
RMS: 20 W
Maximum power: 30 W
Frequency response: 130 - 20000 Hz
[See Technical Data Sheet - page 295](#)

75131



Round Grill for Loudspeaker of 3"
External dimension (mm): ø 118

75138 T

BR



Loudspeaker of 3" - 16 Ohm
RMS: 20 W
Maximum power: 30 W
Frequency response: 130 - 20000 Hz
[See Technical Data Sheet - page 295](#)

75132



Square Grill for Loudspeaker of 3"
Outside Dimensions (mm): 118 x 118

75139 T

2"



Loudspeaker of 2" - 8 Ohm
Maximum power: 10 W
Frequency response: 450 - 5000 Hz
[See Technical Data Sheet - page 295](#)

2^e Sem.
2024

75141



Cover Plate for Loudspeaker of 2"

90710 T

BR MF
GE PE AL
IS PM DU



Loudspeaker of 2" - 16 Ohm
Maximum power: 10 W
Frequency response: 450 - 5000 Hz
[See Technical Data Sheet - page 295](#)

2^e Sem.
2024

75142



Cover Plate for Loudspeaker of 2"

50710 T

BR MF
BM PM
PR GR PL CH

T - Rocker, Cover Plate or Frame; S - Semi-assembled. | BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden; BM - Matte White; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne.
Finishings LOGUS 90 - page 14 to 19 | APOLO 5000 - page 38 | SIZA - page 80 | QUADRA - page 84 | LATINA - page 87 to 93.

loudspeakers

ref. color

surface mounting 5"

**Surface Mounting Flat 2-Way Loudspeaker of 5" - 8 Ohm**

Outside Dimensions (mm): 274 x 185 x 36,5

RMS: 25 W

Maximum power: 40 W

Frequency response: 80 - 19000 Hz

[See Technical Data Sheet - page 295](#)**75104 C**

BR

Surface Mounting Flat 2-Way Loudspeaker of 5" - 16 Ohm

Outside Dimensions (mm): 274 x 185 x 36,5

RMS: 25 W

Maximum power: 40 W

Frequency response: 80 - 19000 Hz

[See Technical Data Sheet - page 295](#)**75105 C**

power supplies

ref. color

**Power Supply for False Ceiling 12 V - 18 W**

Input: 100-240 V ~ 150 - 60 Hz

Output: 12 V - 18 W - 1,5 A

Up to 1 Sound Central Unit and 2 Control Units.

[See Technical Data Sheet - page 290](#)**75054****Power Supply for DIN Rail 12 V - 24 W**

Input: 100-240 V ~ 150 - 60 Hz

Output: 12 V - 24 W - 2 A

Up to 1 Sound Central Unit and 4 Control Units.

Size: 2 Modules DIN.

[See Technical Data Sheet - page 290](#)**75055**

-

**Power Supply for DIN Rail 12 V - 54 W**

Input: 100-240 V ~ 150 - 60 Hz

Output: 12 V - 54 W - 4,5 A

Up to 1 Sound Central Unit and 8 Control Units.

Size: 3 Modules DIN.

[See Technical Data Sheet - page 290](#)**75056**

accessories

ref. color

**Adapter Q45 for Flush Mounting Devices**

(Siza and Quadra Series)

45993**Adapter Q45 with Claws for Flush Mounting Devices**

(Siza and Quadra Series)

45994**Fixing Adapter for Flush Mounting Devices LATINA - 2 Modules****42993****Fixing Adapter with Claws for Flush Mounting Devices LATINA - 2 Modules****42994**

-

**Stereo Amplifier for False Ceiling - 12 V**Output Power: Stereo: 12 W + 12 W (4 Ohm) or 6 W + 6 W (8 Ohm);
Mono: 12 W (4 Ohm) or 6 W (8 Ohm)

Rated voltage: 12 V

Function: Stand by

[See Technical Data Sheet - page 293](#)**75033**

C - Complete Device. | BR - White.

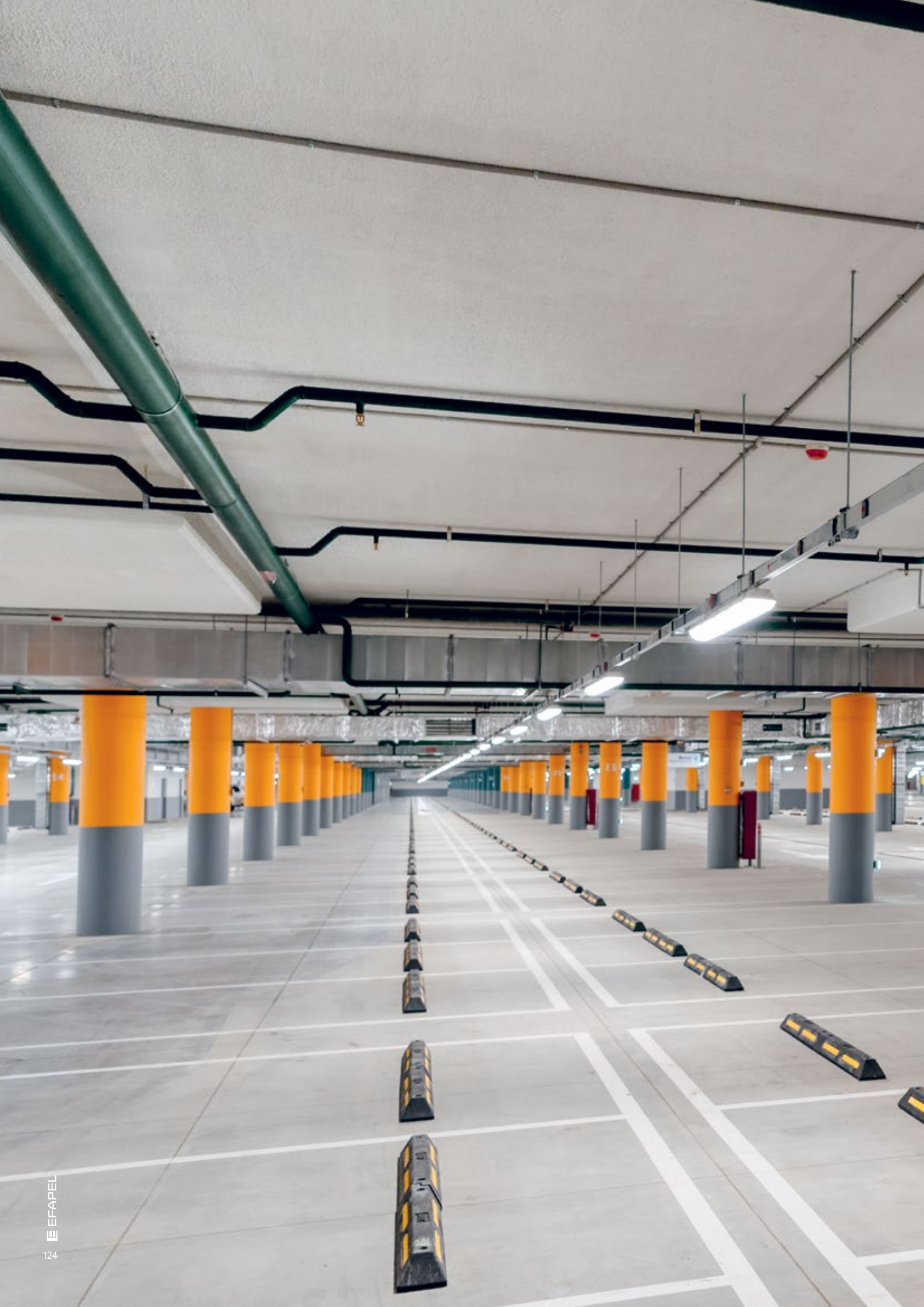
04

waterproof devices

WATERPROOF 48









WATERPROOF 48

Control Devices	126
Energy Sockets	127
Other Products	129

control devices		ref.	color
	Single Pole Switch 10 AX - 250 V ~	48011 C	
	Single Pole Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting. Replacement LED - page 129.	48012 C	
	Single Pole Switch with Pilot Lamp 10 AX - 250 V ~ Replacement LED - page 129.	48013 C	
	Two-pole Switch 10 AX - 250 V ~	48021 C	
	Two-pole Switch with Pilot Lamp 10 AX - 250 V ~ Replacement LED - page 129.	48023 C	
	Two Circuits Switch 10 AX - 250 V ~	48061 C	
	Two-way Switch 10 AX - 250 V ~	48071 C	
	Two-way Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting. Replacement LED - page 129.	48072 C	CZ BR
	Two-way Switch with Pilot Lamp 10 AX - 250 V ~ Replacement LED - page 129.	48073 C	
	Double Two-way Switch 10 AX - 250 V ~	48101 C	
	Intermediate Switch 10 AX - 250 V ~	48051 C	
	Intermediate Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting. Replacement LED - page 129.	48052 C	
	Rocker Push-button 10 A - 250 V ~	48151 C	
	Rocker Push-button with Orienting Light 250 V ~ 10 A - 250 V ~ Replacement LED - page 129.	48152 C	
	Rocker Push-button with Orienting Light 12 V ~ 6 A - 12 V ~ Replacement LED - page 129.	48162 C	

C - Complete Device. | CZ - Grey, BR - White.

 /  /  - Screw Connection

 See Technical Data Sheet - page 301 to 304

control devices

ref.

color



Venetian Switch

10 A - 250 V ~
Switch function.
Electrical and mechanical blockade against two occasional simultaneous orders.
Toggles automatically one rocker when the other is pressed.

48290 C

Venetian Double Push-button

10 A - 250 V ~
Push-button function.
Electrical blockade against two occasional simultaneous orders.

48281 C

CZ BR



Venetian Double Push-button for Multiple Points Blinds Control

10 A - 250 V ~
Push-button function.
Electrical blockade against two occasional simultaneous orders.
It allows to control a blind from several points.
To be used with Relay for Blinds Control (Ref. 81511).

48283 C

energy sockets

ref.

color



Safety Earth Socket (Schuko Type)

16 A - 250 V ~

48132 C

Earth Socket (Schuko Type)

16 A - 250 V ~

48131 C



Safety Earth Socket (French Type)

16 A - 250 V ~

48112 C



Safety Single Phase Socket

16 A - 250 V ~

48122 C



Two Safety Earth Sockets (Schuko Type) in a Double Horizontal Base

16 A - 250 V ~

48865 C

Two Earth Sockets (Schuko Type) in a Double Horizontal Base

16 A - 250 V ~

48862 C

CZ BR



Two Safety Earth Sockets (Schuko Type) in a Double Vertical Base

16 A - 250 V ~

48860 C

Two Earth Sockets (Schuko Type) in a Double Vertical Base

16 A - 250 V ~

48868 C



Two-way Switch with Safety Earth Socket (Schuko Type) in a Double Vertical Base

10 AX - 250 V ~ / 16 A - 250 V ~

48866 C

Two-way Switch with Earth Socket (Schuko Type) in a Double Vertical Base

10 AX - 250 V ~ / 16 A - 250 V ~

48861 C

C - Complete Device. | CZ - Grey. BR - White.

 /  /  - Screw Connection

 See Technical Data Sheet - page 301 to 304

SOCKETS
FOR ELECTRIC VEHICLES
CHARGING



Ref. **81751**



Ref. **81752**

energy sockets

ref. color

 PZ2	Surface Schuko Socket for EV Charging new 16 A - 250 V ~ See Technical Data Sheet - page 287	81751	-
	Surface French Socket for EV Charging new 16 A - 250 V ~ See Technical Data Sheet - page 287	81752	-

other products

ref. color

	48 Series Box with Cover for Mec Q45 Mechanisms Series Enables the installation of Mec Q45 Series mechanisms on 48 Series IP65 (except electronic devices and data sockets).	48998 C	CZ BR
	Pilot Light (High Height) Max. 5 W / 250 V ~ (E14) To be used with Lamp - Ref. 81013.	48361 C	ZI ZR ZV ZM BI BJ BV BM
	Pilot Light (Low Height) Max. 5 W / 250 V ~ (E14) To be used with Lamp - Ref. 81013.	48362 C	
	Box for Push-button Devices of ø 22 mm The Protection Degree (IP65) of the Box is determined by the device to be installed inside.	48992 A	
	Double Horizontal Base	48994 A	CZ BR
	Double Vertical Base	48995 A	
	LED Lamp E14 Short 250 V ~ - 0,3 W (3000 K)	81013	
	Replacement LED for MEC 21 / 48 Series - 250 V ~ For replacement in orienting light and pilot light mechanisms.	81019	-
	Replacement LED for MEC 21 / 48 Series - 12 V ~ For replacement in orienting light and pilot light mechanisms.	81018	

A - Accessory; C - Complete Device. I CZ - Grey, BR - White.
PILOT LIGHTS: ZI - Grey/Colorless; ZR - Grey/Orange; ZV - Grey/Green; ZM - Grey/Red; BI - White/Colorless; BJ - White/Orange; BV - White/Green; BM - White/Red.
⊖ /  PZ2 /  PH4 - Screw Connection

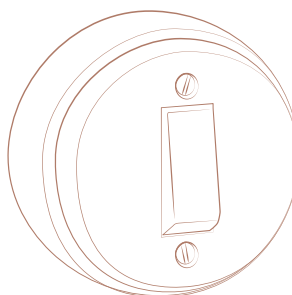
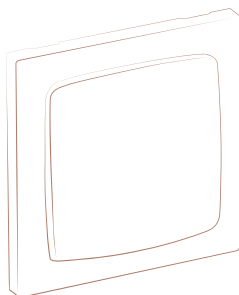
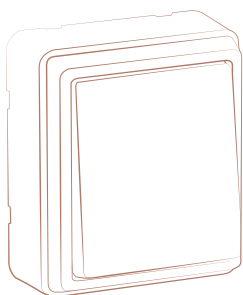
05

surface mounting devices

3700

47

2600



05





3700

Control Devices	134
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Mounting Accessories on Cable Trunkings	136
ETS 10 - Mini and Skirt Cable Trunkings	

control devices

ref. color

	Single Pole Switch 10 AX - 250 V ~		37011 C
	Single Pole Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.		37012 C
	Single Pole Switch with Pilot Lamp 10 AX - 250 V ~		37013 C
	Two Circuits Switch 10 AX - 250 V ~		37061 C
	Two-way Switch 10 AX - 250 V ~		37071 C
	Two-way Switch with Orienting Light 10 AX - 250 V ~ To control low consumption lamps, we recommend using 0,15 µF 275 V ~ capacitors in parallel with the load, to avoid flickering in the lighting.		37072 C
	Two-way Switch with Pilot Lamp 10 AX - 250 V ~		37073 C
	Double Two-way Switch 10 AX - 250 V ~		37101 C
	Intermediate Switch 10 AX - 250 V ~		37051 C
	Rocker Push-button 10 A - 250 V ~		37151 C
	Rocker Push-button with Orienting Light 10 A - 250 V ~		37152 C
	Rocker Push-button 2 A - 250 V ~		37157 C
	Rocker Push-button with Orienting Light 250 V ~ 2 A - 250 V ~		37158 C
	Rocker Push-button with Orienting Light 12 V ~ 6 A - 12 V ~		37168 C
	Venetian Switch 10 A - 250 V ~ Switch function. Electrical and mechanical blockade against two occasional simultaneous orders. Toggles automatically one rocker when the other is pressed.		37290 C
	Venetian Double Push-button 10 A - 250 V ~ Push-button function. Electrical blockade against two occasional simultaneous orders.		37281 C

BR

C - Complete Device. | BR - White.

 /  /  - Screw Connection

 See Technical Data Sheet - page 305

data, voice and image sockets		ref.	color
data sockets			
	RJ45 Cat. 6 UTP Socket	 37455 C	
	RJ45 Cat. 6 STP Socket	37445 C	BR
	RJ45 Cat. 5e UTP Socket	37453 C	
telephone sockets			
50 V ~ 70 V ~			
	Telephone Socket	37252 C	
8 CONTACTS			BR
	T8 French Telephone Socket	37411 C	
			
radio, television and satellite sockets			
RADIO AND TELEVISION			
	R - TV Socket for Star Connection Coaxial connector ø 9,5 4 - 862 MHz: ≤ 1 dB See Technical Data Sheet - page 309	37531 C	
	R - TV Socket - Crossover Type Coaxial connector ø 9,5 4 - 862 MHz: ≤ 6 dB Insertion losses: ≤ 2 dB See Technical Data Sheet - page 309	37532 C	
RADIO, TELEVISION AND SATELLITE			BR
	R TV - SAT Socket for Star Connection Coaxial connector ø 9,5 4 - 470 MHz: ≤ 1 dB 470 - 862 MHz: ≤ 3 dB 950 - 2400 MHz: ≤ 6 dB Current flow: 500 mA (DC) See Technical Data Sheet - page 309	37550 C	
	Coaxial F-Type Socket	37431 C	
energy sockets		ref.	color
SCHUKO			
	Safety Earth Socket (Schuko Type) 16 A - 250 V ~ See Technical Data Sheet - page 305	37132 C	
	Earth Socket (Schuko Type) 16 A - 250 V ~ See Technical Data Sheet - page 305	37131 C	BR VM

C - Complete Device, | BR - White; VM - Red
 /  /  - Screw Connection
 - Power over Ethernet

energy sockets

ref. color

2P



Safety Single Phase Socket
16 A - 250 V ~

37122 C



Single Phase Socket
16 A - 250 V ~

37121 C

BR



FRENCH



Safety Earth Socket (French Type)
16 A - 250 V ~
[See Technical Data Sheet - page 305](#)

37112 C



other products

ref. color



Cable Outlet
Without connectors

37170 C

BR



Junction Box
4x2,5mm² - 450 V~

37201 C



Pilot Light
Max. 5 W / 250 V ~ (E14)
To be used with Lamp - Ref. 81013.

37360 C

BI BJ
BV BM



LED Lamp E14 Short
250 V ~ - 0,3 W (3000 K)

81013

—

mounting accessories on cable trunkings ETS 10 - Mini and Skirt Cable Trunkings

ref. color

3700 Series Adapter for 12x7 Trunking

10017 A

3700 Series Adapter for 16x10 Trunking

10027 A

3700 Series Adapter for 20x12,5 Trunking

10037 A

3700 Series Adapter for 32x16 Trunking

10047 A



3700 Series Adapter for 40x12,5 Trunking

10057 A

3700 Series Adapter for 40x16 Trunking

10067 A

BR

3700 Series Adapter for 60x16 Trunking

10077 A

3700 Series Adapter for 75x20 Trunking

10147 A



3700 Series Adapter for 110x20 Skirt Trunking

10107 A

C - Complete Device; A - Accessory. | BR - White; BI - White/Colorless; BJ - White/Orange; BV - White/Green; BM - White/Red.

⊖ / PZ2 / PHX - Screw Connection

47

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Energy Sockets	139
Other Products	140
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Mounting Accessories for Cable Trunkings	140
ETS 10 - Mini Cable Trunkings	

control devices

ref. color

 PZZ	Single Pole Switch 10 AX - 250 V ~	47011 S	
 PZZ	Single Pole Switch with Pilot Lamp 10 AX - 250 V ~	47013 S	
 PZZ	Two Circuits Switch 10 AX - 250 V ~	47061 S	
 PZZ	Two-way Switch 10 AX - 250 V ~	47071 S	
 PZZ	Double Two-way Switch 10 AX - 250 V ~	47101 S	
 PZZ	Intermediate Switch 10 AX - 250 V ~	47051 S	BR
 PZZ	Rocker Push-button 10 A - 250 V ~	47151 S	
 PZZ	Rocker Push-button with Orienting Light 250 V ~ 10 A - 250 V ~	47152 S	
 PZZ	Rocker Push-button with Identification 250 V ~ 10 A - 250 V ~	47155 S	
 PZZ	Venetian Switch 10 A - 250 V ~ Switch function. Electrical and mechanical blockade against two occasional simultaneous orders. Toggles automatically one rocker when the other is pressed.	47290 S	
 PZZ	Venetian Double Push-button 10 A - 250 V ~ Push-button function. Electrical blockade against two occasional simultaneous orders.	47281 S	

data, voice and image sockets

ref. color

data sockets

	RJ45 Cat. 6 UTP Socket		47455 S	
	RJ45 Cat. 6 STP Socket		47445 S	BR
	RJ45 Cat. 5e UTP Socket		47453 S	

S - Semi-assembled. | BR - White.

 /  /  - Screw Connection

 - Power over Ethernet

 See Technical Data Sheet - page 306

data, voice and image sockets

ref. color

telephone sockets				
50 V --- 70 V ~				
	Telephone Socket	47252 S	BR	
8 CONTACTS				
	T8 French Telephone Socket	47411 S	BR	
 PZ2				
radio, television and satellite sockets				
RADIO AND TELEVISION				
	R - TV Socket for Star Connection Coaxial connector ø 9,5 4 - 862 MHz: ≤ 1 dB See Technical Data Sheet - page 309	47531 S		
	R - TV Socket - Crossover Type Coaxial connector ø 9,5 4 - 862 MHz: ≤ 6 dB Insertion losses: ≤ 2 dB See Technical Data Sheet - page 309	47532 S	BR	
RADIO, TELEVISION AND SATELLITE				
	R TV - SAT Socket for Star Connection Coaxial connector ø 9,5 4 - 470 MHz: ≤ 1 dB 470 - 862 MHz: ≤ 3 dB 950 - 2400 MHz: ≤ 6 dB Current flow: 500 mA (DC) See Technical Data Sheet - page 309	47550 S		
			BR	
	Coaxial F-Type Socket	47431 S		
energy sockets			ref.	color
SCHUKO				
	Safety Earth Socket (Schuko Type) 16 A - 250 V ~ See Technical Data Sheet - page 306	47132 S		
	Earth Socket (Schuko Type) 16 A - 250 V ~ See Technical Data Sheet - page 306	47131 S	BR LR VM	
 PZ2				
2P				
	Safety Single Phase Socket 16 A - 250 V ~	47122 S		
	Single Phase Socket 16 A - 250 V ~	47121 S	BR	
 PZ2				
FRENCH				
	Safety Earth Socket (French Type) 16 A - 250 V ~ See Technical Data Sheet - page 306	47112 S	BR	
 PZ2				

S - Semi-assembled. | BR - White, LR - Orange, VM - Red

 /  /  - Screw Connection

other products		ref.	color
	Cable Outlet Without connectors	47170 S	
			BR
 	Junction Box 4x2,5 mm ² - 450 V~	47201 S	
 	Pilot Light Max. 5 W / 250 V ~ (E14) To be used with Lamp - Ref. 81013.	47360 S	BI BJ BV BM
	LED Lamp E14 Short 250 V ~ - 0,3 W (3000 K)	81013	—
accessory for surface mounting		ref.	color
	Flush Mounting Box 60x60 mm	47993 A	BR
mounting accessories for cable trunkings ETS 10 - Mini Cable Trunkings		ref.	color
LATERAL MOUNTING			
	47 Series Lateral Adapter for 12x7 Trunking	10018 A	
	47 Series Lateral Adapter for 16x10 Trunking	10028 A	
	47 Series Lateral Adapter for 20x12,5 Trunking	10038 A	
	47 Series Lateral Adapter for 32x16 Trunking	10048 A	
	47 Series Lateral Adapter for 40x12,5 Trunking	10058 A	BR
	47 Series Lateral Adapter for 40x16 Trunking	10068 A	
	47 Series Lateral Adapter for 60x16 Trunking	10078 A	
	47 Series Lateral Adapter for 75x20 Trunking	10148 A	
FRONTAL MOUNTING			
	47 Series Frontal Adapter for 60x16 Trunking To be used in 10 ETS - Ref. 10070 CBR.	10079 A	
			BR
	47 Series Frontal Adapter for 75x20 Trunking To be used in 10 ETS - Ref. 10140 CBR.	10149 A	

S - Semi-assembled; A - Accessory. | BR - White; BI - White/Colorless; BJ - White/Orange; BV - White/Green; BM - White/Red.
 /  /  - Screw Connection



control devices		ref.	color
 PZ2	Single Pole Switch 10 AX - 250 V ~	26011 C	
 PZ2	Two Circuits Switch 10 AX - 250 V ~	26061 C	
 PZ2	Two-way Switch 10 AX - 250 V ~	26071 C	
 PZ2	Double Two-way Switch 10 AX - 250 V ~	26101 C	MF
 PZ2	Intermediate Switch 10 AX - 250 V ~	26051 C	
 PZ1	Rocker Push-button 2 A - 250 V ~	26157 C	
energy sockets		ref.	color
 PZ2	Safety Earth Socket (Schuko Type) 16 A - 250 V ~	26132 C	
 PZ2	Earth Socket (Schuko Type) 16 A - 250 V ~	26131 C	
 PZ2	Safety Single Phase Socket 16 A - 250 V ~	26122 C	MF
 PZ2	Single Phase Socket 16 A - 250 V ~	26121 C	

C - Complete Device. | MF - Ivory. | The 2600 series must be used with "a plastic round base" of insulating material.

⊖ / ⚡PZx / ⚡PHx - Screw Connection

[See Technical Data Sheet - page 307](#)

06

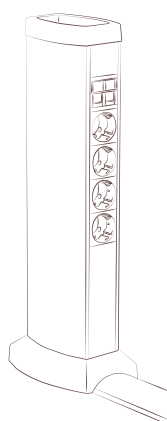
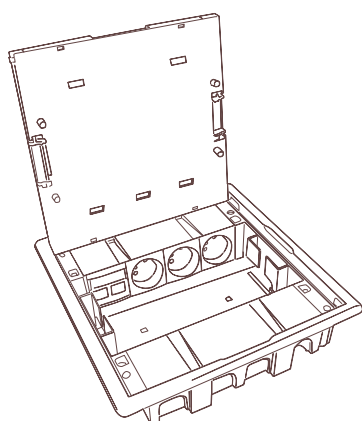
burotica

FLOOR BOXES

WORKSTATIONS

DESKTOP WORKSTATIONS

COLUMNS AND MINICOLUMNS



06





BUROTICA

Floor Boxes	147
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Columns and MiniColumns	150



Ref. **83004 C**



Ref. **83006 C**



Ref. **83012 C**

Floor Solutions

In constantly evolving work environments, we have designed solutions for a multiplicity of requirements. Whether they are **solutions for new workspaces** or **reconfiguration of existing ones**.

New Floor Boxes with 8, 12 and 24 Modules.

floor boxes		ref.	color
	Floor Box - 4 Modules Outside Dimensions (mm): ø 139 Supplied with separate claws. See Technical Data Sheet - page 310	83002 C	CZ AT BR
	Flush Mounting Box for Floor Box - 4 Modules Supplied with assembled claws.	83052	—
	Floor Box - 8 Modules new Outside Dimensions (mm): 256 x 166 Supplied with assembled claws. See Technical Data Sheet - page 311	83004 C	CZ AT
	Flush Mounting Box for Floor Box - 8 Modules new Supplied with Polystyrene Block.	83054	—
	Floor Box - 12 Modules new Outside Dimensions (mm): 256 x 211 Supplied with assembled claws. See Technical Data Sheet - page 311	83006 C	CZ AT
	Flush Mounting Box for Floor Box - 12 Modules new Supplied with Polystyrene Block.	83056	—
	Floor Box - 16 Modules Outside Dimensions (mm): 256 x 256 Supplied with assembled claws. See Technical Data Sheet - page 311	83008 C	CZ AT
	Floor Box with Stainless Steel Cover - 16 Modules Outside Dimensions (mm): 256 x 256 Supplied with assembled claws. See Technical Data Sheet - page 311	83008 C	ZI AI
	Flush Mounting Box for Floor Box - 16 Modules Supplied with Polystyrene Block.	83058	—
	Floor Box - 24 Modules new Outside Dimensions (mm): 256 x 369 Supplied with assembled claws. See Technical Data Sheet - page 311	83012 C	CZ AT
	Flush Mounting Box for Floor Box - 24 Modules new Supplied with Polystyrene Block.	83062	—

C - Complete Device. | BR - White; CZ - Grey; AT - Anthracite; ZI - Grey/Inox; AI - Anthracite/Inox.
Applicable with MEC Q45 devices.

workstations		ref.	color
flush mounting			
	Workstation Flush Mounting - 2x4 Modules Outside Dimensions (mm): 185 x 170 x 50 See Technical Data Sheet - page 317	83401 S	
	Workstation Flush Mounting - 3x4 Modules Outside Dimensions (mm): 245 x 170 x 50 See Technical Data Sheet - page 317	83402 S	BR BM PM AL
	Workstation Flush Mounting - 4x4 Modules Outside Dimensions (mm): 305 x 170 x 50 See Technical Data Sheet - page 317	83403 S	
	Workstation Flush Mounting 3x4 Modules with 2 Schuko VM + 2 Schuko BR + 2 RJ Outside Dimensions (mm): 245 x 170 x 50 Without connectors. See Technical Data Sheet - page 317	83402 C	
	Workstation Flush Mounting 3x4 Modules with 2 French Socket VM + 2 French Socket BR + 2 RJ Outside Dimensions (mm): 245 x 170 x 50 Without connectors. See Technical Data Sheet - page 317	83431 C	BR
	Workstation Flush Mounting with Door - 2x8 Modules Outside Dimensions (mm): 260 x 260 x 64 See Technical Data Sheet - page 319	83404 S	BR
surface mounting			
	Workstation Surface Mounting - 2x4 Modules Outside Dimensions (mm): 187 x 172 x 60 See Technical Data Sheet - page 315	83411 S	
	Workstation Surface Mounting - 3x4 Modules new Outside Dimensions (mm): 247 x 172 x 60 See Technical Data Sheet - page 315	83412 S	
	Workstation Surface Mounting - 4x4 Modules new Outside Dimensions (mm): 307 x 172 x 60 See Technical Data Sheet - page 315	83413 S	BR BM PM AL
	Workstation Surface Mounting - 2x4 + 4x4 Modules Outside Dimensions (mm): 217 x 202 x 60 See Technical Data Sheet - page 314	83410 S	
	Workstation Surface Mounting 2x4 + 4x4 Modules with 2 Schuko VM + 2 Schuko BR + 2 RJ Outside Dimensions (mm): 217 x 202 x 60 Without connectors. See Technical Data Sheet - page 314	83410 C	
	Workstation Surface Mounting 2x4 + 4x4 Modules with 2 French Socket VM + 2 French Socket BR + 2 RJ Outside Dimensions (mm): 217 x 202 x 60 Without connectors. See Technical Data Sheet - page 314	83441 C	BR
accessories			
	MODUS 55 Adapter for Workstations 4 Modules 2 Modules DIN	83420	
	Lid for Trunking Access to Workstations Supplied as a Blind Cover of 4 modules.	83421	

C - Complete Device, S - Semi-assembled | BR - White; BM - Matte White; PM - Matte Black; AL - Aluminium
Applicable with MEC Q45 devices.

desktop workstations		ref.	color
	Desktop Workstation - 8+2 Modules Aluminium Supplied with 4 Positioners (Ref. 45992). Supplied with 1 Blind Cover Plate (Ref. 45677 S). See Technical Data Sheet - page 321	83201 S	BR
	Desktop Workstation - 12+2 Modules Aluminium Supplied with 6 Positioners (Ref. 45992). Supplied with 1 Blind Cover Plate (Ref. 45677 S). See Technical Data Sheet - page 321	83202 S	
accessories			
	Top with Adapter for Desktop Workstation - 2 Modules	83230 A	BR
	Cable Entry Top for Desktop Workstations - 2 Modules	83231 A	
	Module for Fast Connector 2P + T - 2 Modules new	45980 S	
	Double Module for 2 Fast Connectors 2P + T - 2 Modules new	45981 S	PT VM
	Fast Connector 2P + T Male for Wiring new See Technical Data Sheet - page 329	83150	
	Fast Connector 2P + T Female for Wiring new See Technical Data Sheet - page 329	83151	
	Fast Connector 2P + T Male for Panel new See Technical Data Sheet - page 329	83152	
	Fast Connector 2P + T Female for Panel new See Technical Data Sheet - page 329	83153	
	Derivation 1 Input / 3 Outputs new See Technical Data Sheet - page 329	83154	—
	90° Positioner for 2 Modules For semi-assembled devices of Mec Q45 Series in Desktop Workstation, Columns and Minicolumns. Enables device assembly with 90° rotation.	45992	
	Cable Gland 3G 1,5 mm	81191	
	Cable Gland 3G 2,5 mm	81192	

S - Semi-assembled; A - Accessory. | BR - White; PT - Black; VM - Red.
Applicable with MEC Q45 devices.

desktop workstations

ref. color

accessories



MODUS 55 Adapter for Desktop Workstation, Minicolumns and Columns new
4 Modules
2 Modules DIN

83220



Desktop Workstation Fixing Kit new

83234



Desktop Workstation Profile
Aluminium
Dimensions (mm): 2100 / emb.
Supplied with Cover (Ref. 83233)

83232



Cover for Profile
Aluminium
Dimensions (mm): 2100

83233

columns

ref. color



2-Sided Column - 2850mm
Aluminium
Supplied with Top for Column (Ref. 83250 A) and Base for Column (Ref. 83251 A) in CZ (Grey) and Screw Rod (Ref. 83252 A).
[See Technical Data Sheet - page 326](#)

83241

2-Sided Column - 3300mm
Aluminium
Supplied with Top for Column (Ref. 83250 A) and Base for Column (Ref. 83251 A) in CZ (Grey) and Screw Rod (Ref. 83252 A).
[See Technical Data Sheet - page 326](#)

83242

minicolumns

ref. color

2-Sided Minicolumn 12*12 Modules
Aluminium
Height (mm): 340
Supplied with Top for Minicolumn (Ref. 83290 A) and Base for Minicolumn (Ref. 83251 A) in CZ (Grey).
[See Technical Data Sheet - page 324](#)

83282



2-Sided Minicolumn 18*18 Modules
Aluminium
Height (mm): 480
Supplied with Top for Minicolumn (Ref. 83290 A) and Base for Minicolumn (Ref. 83251 A) in CZ (Grey).
[See Technical Data Sheet - page 324](#)

83281

2-Sided Minicolumn 28*28 Modules
Aluminium
Height (mm): 710
Supplied with Top for Minicolumn (Ref. 83290 A) and Base for Minicolumn (Ref. 83251 A) in CZ (Grey).
[See Technical Data Sheet - page 324](#)

83283

Applicable with MEC Q45 devices.

columns and minicolumns		ref.	color
accessories			
	MODUS 55 Adapter for Desktop Workstation, Minicolumns and Columns new 4 Modules 2 Modules DIN	83220	—
	90° Positioner for 2 Modules For semi-assembled devices of Mec Q45 Series in Desktop Workstation, Columns and Minicolumns. Enables device assembly with 90° rotation.	45992	—
	Top for Column	83250 A	—
	Base for Column/Minicolumn	83251 A	CZ AL
	Top for Minicolumn	83290 A	—
	Screw Rod Dimensions (mm): 1000 M16	83252 A	—
	Profile for Column/Minicolumn - 2 sides - 3180 mm Supplied with 2 covers	83253	—
	Cover for Profile Dimensions (mm): 2100	83233	—

A - Accessory. | CZ - Grey; AL - Aluminium.
Applicable with MEC Q45 devices.

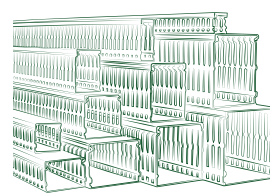
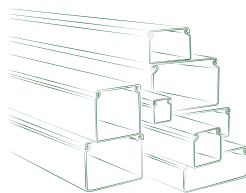
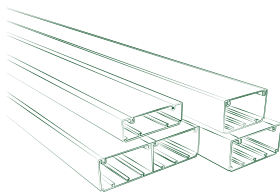


cable trunkings

ETS 10 - ELECTRICAL AND TELECOMMUNICATION INSTALLATIONS

ETS 13 - PROTECTION OF CABLES AND PIPES

ETS 14 - PANELBOARDS









Cable Trunkings

ETS 10 - for Electrical and Telecommunication Installations	156
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Accessories for mounting cable trunkings

Mini Cable					
W x H (mm)	Profile	Ref.	Top	Joint	Derivation
12x7		10010 CBR	10015 ABR	10014 ABR	10011 ABR
		10010 FBR			
16x10		10020 CBR	10025 ABR	10024 ABR	10021 ABR
		10020 FBR			
20x12,5		10030 CBR	10035 ABR	10034 ABR	10031 ABR
		10030 FBR			
		10030 HBR	10035 GBR	10034 GBR	10031 GBR
25x16 new		10450 CBR	10455 ABR	10454 ABR	10451 ABR
		10450 FBR			
32x12,5		10410 CBR	10405 ABR	10404 ABR	10401 ABR
		10410 FBR			
		10410 HBR	10405 GBR	10404 GBR	10401 GBR
		10400 CBR	10405 ABR	10404 ABR	10401 ABR
		10400 FBR			
		10400 HBR	10405 GBR	10404 GBR	10401 GBR
32x16		10040 CBR	10045 ABR	10044 ABR	10041 ABR
		10040 FBR			
		10040 HBR	10045 GBR	10044 GBR	10041 GBR
40x12,5		10050 CBR	10055 ABR	10054 ABR	10051 ABR
		10050 FBR			
		10050 HBR	10055 GBR	10054 GBR	10051 GBR
		10150 CBR	10055 ABR	10054 ABR	10051 ABR
		10150 FBR			
40x16		10060 CBR	10065 ABR	10064 ABR	10061 ABR
		10060 FBR			
		10060 HBR	10065 GBR	10064 GBR	10061 GBR
		10160 CBR	10065 ABR	10064 ABR	10061 ABR
		10160 FBR			
40x25 new		10480 CBR	10485 ABR	10484 ABR	10481 ABR
50x20		10500 CBR	10505 ABR	10504 ABR	10501 ABR
		10500 HBR			
		10510 CBR	10505 ABR	10504 ABR	10501 ABR
		10520 CBR			
60x16		10070 CBR	10075 ABR	10074 ABR	10071 ABR
		10170 CBR			
75x20		10140 CBR	10145 ABR	10144 ABR	10141 ABR

CBR - Complete White; FBR - Adhesive White Complete; HBR - White Complete Halogen Free; ABR - White Accessory; GBR - White Accessory Halogen Free.

 Halogen Free  PVC

[See Technical Data Sheet - page 330 to 345](#)

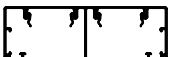
Cable Trunkings for Electrical and Telecommunication Installations

					
Variable Outside Angle	Variable Inside Angle	Variable Plane Angle	Junction Box 80x80x20	Junction Box 80x80x30	Junction Box 110x110x50
10016 ABR (Not Variable)	10012 ABR (Not Variable)	10013 ABR (Not Variable)	10991 ABR	10998 ABR	10993 ABR
10026 ABR (Not Variable)	10022 ABR (Not Variable)	10023 ABR (Not Variable)			
10036 ABR	10032 ABR	10033 ABR			
10036 GBR	10032 GBR	10033 GBR			
10456 ABR	10452 ABR	10453 ABR			
10406 ABR	10402 ABR	10403 ABR			
10406 GBR	10402 GBR	10403 GBR			
10406 ABR	10402 ABR	10403 ABR			
10406 GBR	10402 GBR	10403 GBR			
10046 ABR	10042 ABR	10043 ABR			
10046 GBR	10042 GBR	10043 GBR			
10056 ABR	10052 ABR	10053 ABR			
10056 GBR	10052 GBR	10053 GBR			
10056 ABR	10052 ABR	10053 ABR			
10066 ABR	10062 ABR	10063 ABR			
10066 GBR	10062 GBR	10063 GBR			
10066 ABR	10062 ABR	10063 ABR			
10486 ABR	10482 ABR	10483 ABR			
10506 ABR	10502 ABR	10503 ABR			
10506 GBR	10502 GBR	10503 GBR			
10506 ABR	10502 ABR	10503 ABR			
10076 ABR	10072 ABR	10073 ABR			
10146 ABR	10142 ABR	10143 ABR	—	—	

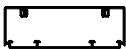
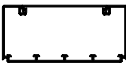
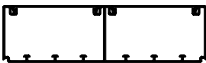


Cable Trunkings for Electrical and Telecommunication Installations

Accessories for mounting cable trunkings

new L45 Cover - Snap-ON    						
W x H (mm)	Profile	Ref.	Top	Joint	Variable Outside Angle	Variable Inside Angle
100 x 50 (1 Cover)		11020 CBR	11025 ABR	11024 ABR	11026 ABR	11022 ABR
155 x 50 (2 Covers)		11030 CBR	11035 ABR	11034 ABR	11036 ABR	11032 ABR
190 x 50 (3 Covers)		11040 CBR	11045 ABR	11044 ABR	11046 ABR	11042 ABR

Accessories for mounting cable trunkings

L75 Cover - Universal    						
W x H (mm)	Profile	Ref.	Top	Joint	Variable Outside Angle	Variable Inside Angle
110 x 34		10080 RBR	10085 RBR	10084 RBR	10086 RBR	10082 RBR
		10080 HBR	10085 GBR	10084 GBR	10086 GBR	10082 GBR
110 x 50		10090 RBR	10095 RBR	10094 RBR	10096 RBR	10092 RBR
		10090 HBR	10095 GBR	10094 GBR	10096 GBR	10092 GBR
90 x 50		10180 RBR	10185 RBR	10184 RBR	10186 RBR	10182 RBR
		10180 HBR	10185 GBR	10184 GBR	10186 GBR	10182 GBR
180 x 50		10290 RBR	10295 RBR	10294 RBR	10296 RBR	10292 RBR
		10290 HBR	10295 GBR	10294 GBR	10296 GBR	10292 GBR

CBR - Complete White; RBR - White Cable Trunking or Accessory; HBR - Complete Halogen Free; ABR - White Accessory; A - Accessory; G - Accessory Halogen Free.

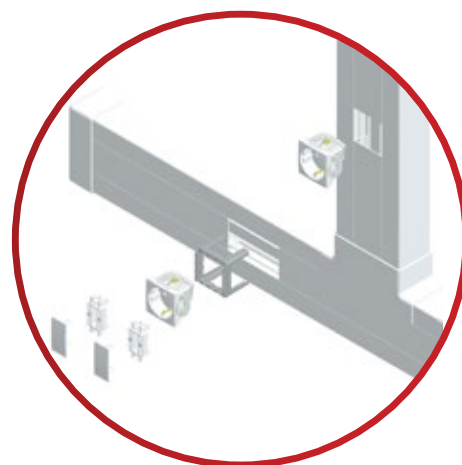
 Halogen Free  PVC

[See Technical Data Sheet - page 330 to 345](#)

Cable Trunkings for Electrical and Telecommunication Installations



Variable Plane Angle	Derivation	Derivation with Reduction	Divider H34	Cover-Mechanism Clip	Snap-on Trunking 90° Positioner
11023 ABR	11021 ABR	11028 ABR	10089 R	11991 A	11990 A
11033 ABR	11031 ABR	11038 ABR			
11043 ABR	11041 ABR	11048 ABR	—		



Variable Plane Angle	Derivation	Derivation with Reduction for Cable Trunking 110x50	Derivation with Reduction	Divider H34	Divider H50	Clip for Cable Support	
10083 RBR	10081 RBR	—	10088 ABR	10089 R	—	10987 ABR	
10083 GBR	10081 GBR		10088 GBR	10089 G		10987 GBR	
10093 RBR	10091 RBR		10098 ABR	—	10099 R	10987 ABR	
10093 GBR	10091 GBR		10098 GBR		10099 G	10987 GBR	
10183 RBR	10181 RBR		—		—	10099 R	10987 ABR
10183 GBR	10181 GBR					10099 G	10987 GBR
10293 RBR	10291 RBR	10298 RBR				10099 R	10987 ABR
10293 GBR	10291 GBR	10298 GBR			10099 G	10987 GBR	

Cable Trunkings for Electrical and Telecommunication Installations

Accessories for mounting cable trunkings

Skirt										
H x W (mm)	Profile	Ref.	Left Top	Right Top	Joint	Variable Outside Angle	Variable Inside Angle	Derivation for 60x16	Lateral Adapter	Clip for Cable Support
110 x 20		10100 CBR	10105 ABR	10108 ABR	10104 ABR	10106 ABR	10102 ABR	10101 ABR	10107 ABR	10109 ABR

Accessories for mounting cable trunkings

Floor								
W x H (mm)	Profile	Ref.	Top / Adapter	Joint	Plane Angle	Adapter for 50x12 Floor Trunking to 40x12,5 Floor Trunking	Adapter for 75x17 Floor Trunking to 60x16 Floor Trunking	Junction Box
50 x 12		10110 CCZ	10115 ACZ	10114 ACZ	10113 ACZ	10117 ACZ	—	10999 ACZ
75 x 17		10120 CCZ	10125 ACZ	10124 ACZ	10123 ACZ	—	10127 ACZ	

CBR - Complete White; ABR - White Accessory; CCZ - Complete Grey; ACZ - Accessory Grey.

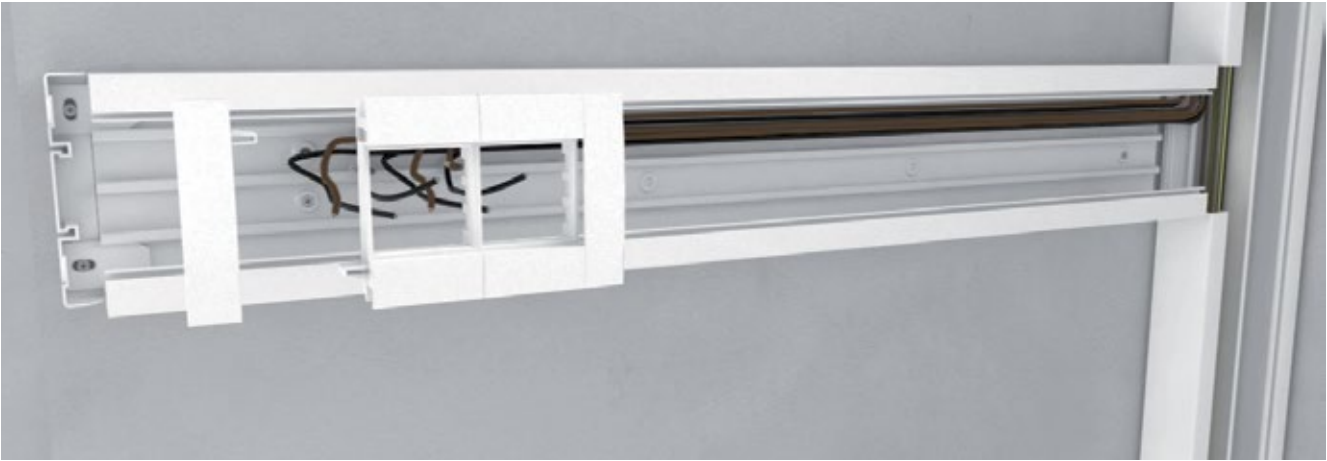
 PVC

[See Technical Data Sheet - page 330 to 345](#)



Cable Trunkings for Electrical and Telecommunication Installations

Mini Cable • Skirt • Floor		Accessories for mounting devices			
		Series	Description	Ref.	Color
	QUADRA	Modular Surface Mounting Box	45996 A	BR AL BM PM	
		Cover Plate for Modular Surface Mounting Box	45997 A		
	LATINA	Surface Mounting Box 2 Modules	42985 A	BR AL BM PM	
		Surface Mounting Box 3 Modules	41986 A		
		Surface Mounting Box 3+3 Modules	41987 A		
		Surface Mounting Box 4 Modules	41988 A		
		Surface Mounting Box 6 Modules	41989 A		
	LOGUS ^{SD}	Surface Mounting Box	10976 A	BR MF GE PE AL IS PM DU	
		Surface Mounting Box Double	10994 A		
		Surface Mounting Box Triple	10995 A		
	APOLO 5000	Surface Mounting Box	10981 A	BR MF	
	sirius70	Surface Mounting Box	10975 A	BR MF	
	–	Surface Mounting Box Italian Type Mechanisms	10972 A	BR	



A - Accessory; I BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Grey; PM - Matte Black; DU - Golden; BM - Matte White.

 Halogen Free

 PVC

Cable Trunkings for Electrical and Telecommunication Installations

L75 Cover - Universal	Accessories for mounting devices
-----------------------	----------------------------------

	System	Description	Ref.	Color
	MEC Q45	Q45 Modular Adapter for L75 Covers Trunkings - 2 Modules	10950 A	BR
		Cover Plate Q45 Modular Adapter for L75 Covers Trunkings - 2 Modules	10959 A	

Simple Assembly

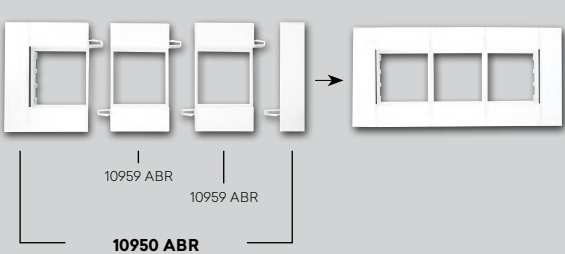


10950 ABR

REF. 10950 ABR

Q45 MODULAR ADAPTER FOR
L75 COVERS TRUNKINGS

Multiple Assembly



10959 ABR
10959 ABR
10950 ABR

REF. 10950 ABR + 10959 ABR (x2)

COVER PLATE Q45 MODULAR ADAPTER FOR
L75 COVERS TRUNKINGS

	System	Description	Ref.	Color
	MEC Q45	Adapter Q45 to Trunkings L75 Covers - 2 Modules	10986 A	BR
		Adapter Q45 to Trunkings L75 Covers - 4 Modules	10952 A	
		Adapter Q45 to Trunkings L75 Covers - 6 Modules	10954 A	
	mec 21	Flush Mounting Box	10984 G	BR
		Semi-flush Mounting Box	10985 G	
			10985 A	
	-	Flush Mounting Box for Italian Type Mechanisms	10971 A	BR

A - Accessory; G - Accessory Halogen Free, I BR - White.

 Halogen Free  PVC

Accessories for mounting cable trunkings

Protection of Cables and Pipes									
Height (mm)	W x H (mm)	Profile	Ref.	Top	Joint	Variable Outside Angle	Variable Inside Angle	Variable Plane Angle	Derivation
10	10 x 10		13100 CBR	13105 ABR	13104 ABR	13106 ABR (Not Variable)	13102 ABR (Not Variable)	13103 ABR (Not Variable)	13101 ABR
			13100 FBR						
15	15 x 15		13110 CBR	13115 ABR	13114 ABR	13116 ABR (Not Variable)	13112 ABR (Not Variable)	13113 ABR (Not Variable)	13111 ABR
			13110 FBR						
20	20 x 20		13120 CBR	13125 ABR	13124 ABR	13126 ABR	13122 ABR	13123 ABR	13121 ABR
			13120 FBR						
25	25 x 25		13140 CBR	13145 ABR	13144 ABR	13146 ABR	13142 ABR	13143 ABR	13141 ABR
			13140 FBR						
30	25 x 30		13010 CBR	13015 ABR	13014 ABR	13016 ABR	13012 ABR	13013 ABR	13011 ABR
	30 x 30		13150 CBR 13150 FBR	13155 ABR	13154 ABR	13156 ABR	13152 ABR	13153 ABR	13151 ABR
40	40 x 40		13020 CBR	13025 ABR	13024 ABR	13026 ABR	13022 ABR	13023 ABR	13021 ABR
	60 x 40		13030 CBR	13035 ABR	13034 ABR	13036 ABR	13032 ABR	13033 ABR	13031 ABR
	60 x 40		13130 CBR						
	80 x 40		13050 CBR	13055 ABR	13054 ABR	13056 ABR	13052 ABR	13053 ABR	13051 ABR
	100 x 40		13070 CBR	13075 ABR	13074 ABR	13076 ABR	13072 ABR	13073 ABR	13071 ABR
60	60 x 60		13040 CBR	13045 ABR	13044 ABR	13046 ABR	13042 ABR	13043 ABR	13041 ABR
	80 x 60		13060 CBR	13065 ABR	13064 ABR	13066 ABR	13062 ABR	13063 ABR	13061 ABR
	100 x 60		13080 CBR	13085 ABR	13084 ABR	13086 ABR	13082 ABR	13083 ABR	13081 ABR

CBR - Complete White; FBR - Adhesive White Complete; ABR - White Accessory.

PVC

[See Technical Data Sheet - page 330 to 345](#)

Panelboards

Height (mm)	W x H (mm)	Profile	Ref.
30	25 x 30		14010 CCZ
			14010 HCZ
40	25 x 40		14100 CCZ
			14100 HCZ
	40 x 40		14020 CCZ
			14020 HCZ
	60 x 40		14030 CCZ
			14030 HCZ
	80 x 40		14050 CCZ
			14050 HCZ
	100 x 40		14070 CCZ
			14070 HCZ
60	25 x 60		14090 CCZ
			14090 HCZ
	40 x 60		14110 CCZ
			14110 HCZ
	60 x 60		14040 CCZ
			14040 HCZ
	80 x 60		14060 CCZ
			14060 HCZ
80	100 x 60		14080 CCZ
			14080 HCZ
	40 x 80		14120 CCZ
			14120 HCZ
	60 x 80		14130 CCZ
			14130 HCZ
	80 x 80		14140 CCZ
			14140 HCZ
100	100 x 80		14150 CCZ
			14150 HCZ
	60 x 100		14160 CCZ
			14160 HCZ
	80 x 100		14170 CCZ
			14170 HCZ
	100 x 100		14180 CCZ
			14180 HCZ

CCZ - Complete Grey; HCZ - Complete Grey Halogen Free.

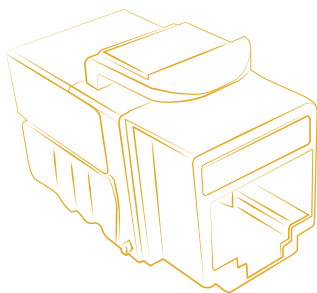
 Halogen Free PVC See Technical Data Sheet - page 330 to 345



data, voice and image

CONNECTORS

COUPLERS







DVI

Connectors	170
Couplers for Fiber Optic Connectors	171
Splitters	171
Patch Cords	171
Tool	171

DVI

connectors

ref.

color

	RJ45 Cat. 6A UTP Connector new (500 MHz) See Technical Data Sheet - page 346		82021
	RJ45 Cat. 6 UTP Connector (250 MHz) See Technical Data Sheet - page 346		21978
	RJ45 Cat. 6 UTP Connector - Rack Assembly new (250 MHz) See Technical Data Sheet - page 347		82020
	RJ45 Cat. 5e UTP Connector (100 MHz)		21975
	RJ45 Cat. 6A STP Connector (500 MHz) See Technical Data Sheet - page 347		82022
	RJ45 Cat. 6 STP Connector (250 MHz) See Technical Data Sheet - page 347		21988
	RJ45 Cat. 5e STP Connector (100 MHz) See Technical Data Sheet - page 347		21985
	RJ11 Cat. 3 Connector		21972
	Telephone Plug - 8 Contacts (unshielded)		82028
	Telephone Plug - 8 Contacts (shielded)		82029
	Telephone Plug - 4 Positions with 4 Contacts		82024
	Telephone Plug - 6 Positions with 4 Contacts		82025
	Telephone Plug - 6 Positions with 6 Contacts		82026
	F Type Coaxial Cable Connector		21979
	F Type IEC Male Plug		82606
	F Type IEC Female Plug		82607
	F Type Male Plug		82601
	F Type 90° Male Plug		82602
	F Type 90° Male Plug Compression		82605
	F Type 90° Male + Female Plug		82603
	TV Male + Female Plug		82611
	Fast Connector for 2 or 3 Conductors		82536

 - Power over Ethernet

DVI

couplers for fiber optic connectors

	ref.	color
 Coupler for SC APC Duplex Fiber Optic Connector See Technical Data Sheet - page 348	82211	
 Coupler for SC APC Simplex Fiber Optic Connector See Technical Data Sheet - page 348	82210	
 Coupler for LC Duplex Fiber Optic Connector See Technical Data Sheet - page 348	82213	—
 Protective Cover for Coupler for SC APC Simplex Fiber Optic Connector	82970	
 Protective Cover for Coupler for SC APC Duplex Fiber Optic Connector	82971	

splitters

	ref.	color
 Eight Outputs TV Splitter Type F, 5 MHz - 2,4 GHz, 8 dB, Passage DC	82691	
 Four Outputs TV Splitter Type F, 5 MHz - 2,4 GHz, 8 dB, Passage DC	82692	
 Coaxial Splitter 2x6 Outputs 5 - 862 MHz: 11 dB 950 - 2400 MHz: 15 dB F-Type, 5-2400 MHz, Flow DC 30 V 700 mA	60911	
 2x8 Outputs TV Splitter 5 - 862 MHz: 12,5 dB 950 - 2400 MHz: 16 dB F-Type, 5-2400 MHz, Flow DC 30 V 700 mA	60913	—
 2x12 Outputs TV Splitter 5 - 862 MHz: 15,5 dB 950 - 2400 MHz: 21 dB F-Type, 5-2400 MHz, Flow DC 30 V 700 mA	60912	
 F Type 75 Ohm Tap Terminator	82681	

patch cords

	ref.	color
Patch Cord of 4 Pairs UTP Cable Cat. 6 and 2xRJ45 Male Plugs (0,5 m)	82641 A	
 Patch Cord of 4 Pairs UTP Cable Cat. 6 and 2xRJ45 Male Plugs (3 m)	82642 A	CZ
Patch Cord of 4 Pairs UTP Cable Cat. 6 and 2xRJ45 Male Plugs (5 m)	82645 A	

tool

	ref.	color
 Crimping Tool 6x4, 6x6 or 8x8 RJ Plugs	82581	—

A - Accessory. | CZ - Grey.



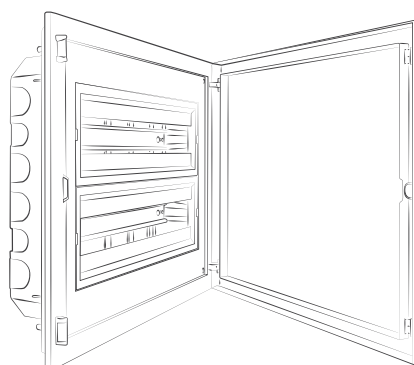
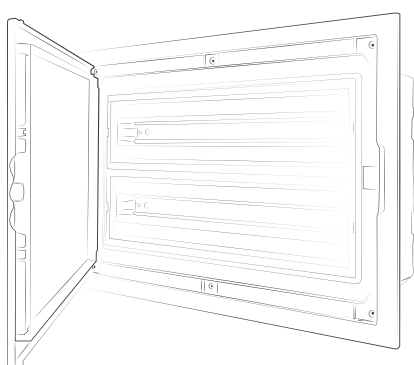
09

panelboards and telecommunication panels

omega

beta

gama









PANELBOARDS AND TELECOMMUNICATION PANELS

omega

Low Profile (Depth 113 mm)

- Distribution Panelboards **176**
- Telecommunication Panelboard **180**
- Accessories **182**

beta

Low Depth (Depth 75 mm)

- Distribution Panelboards **183**
- Telecommunications Complete Box **187**
- Accessories **188**

gamma

Standard (Depth 113 mm)

- Distribution Panelboards **189**
- ICB Incomer Panelboards **193**
- Telecommunication Panelboard **195**
- Accessories **197**

	ref.		ref.
4 Modules (1x4)			
	Interior Fitting and Door for Low Profile Distribution Panelboard Outside Dimensions (mm): 217 x 275 x 11. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.		Flush Mounting Box for Panelboard Outside Dimensions (mm): 192 x 255 x 113. 850 °C resistant back box suitable for installation in masonry or hollow walls.
	62004 1JB		60004 1GB
8 Modules (1x8)			
	Interior Fitting and Door for Low Profile Distribution Panelboard Outside Dimensions (mm): 289 x 275 x 11. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.		Flush Mounting Box for Panelboard Outside Dimensions (mm): 264 x 255 x 113. 850 °C resistant back box suitable for installation in masonry or hollow walls.
	62008 1JB		60008 1GB
12 Modules (1x12)			
	Interior Fitting and Door for Low Profile Distribution Panelboard Outside Dimensions (mm): 361 x 275 x 11. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.		Flush Mounting Box for Panelboard Outside Dimensions (mm): 336 x 255 x 113. 850 °C resistant back box suitable for installation in masonry or hollow walls.
	62012 1JB		60012 1GB
16 Modules (2x8)			
	Interior Fitting and Door for Low Profile Distribution Panelboard Outside Dimensions (mm): 289 x 400 x 11. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.		Flush Mounting Box for Panelboard Outside Dimensions (mm): 264 x 380 x 113. 850 °C resistant back box suitable for installation in masonry or hollow walls.
	62016 2JB		60016 2GB
24 Modules (2x12)			
	Interior Fitting and Door for Low Profile Distribution Panelboard Outside Dimensions (mm): 361 x 400 x 11. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.		Flush Mounting Box for Panelboard Outside Dimensions (mm): 336 x 380 x 113. 850 °C resistant back box suitable for installation in masonry or hollow walls.
	62024 2JB		60024 2GB

Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.

 See Technical Data Sheet - page 349 to 353

distribution panelboards - semi-assembled

	ref.		ref.
32 Modules (2x16)			
	Interior Fitting and Door for Low Profile Distribution Panelboard Outside Dimensions (mm): 433 x 400 x 11. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.		Flush Mounting Box for Panelboard Outside Dimensions (mm): 408 x 380 x 113. 850 °C resistant back box suitable for installation in masonry or hollow walls.
	62032 2JB		60032 2GB
40 Modules (2x20)			
	Interior Fitting and Door for Low Profile Distribution Panelboard Outside Dimensions (mm): 505 x 400 x 11. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.		Flush Mounting Box for Panelboard Outside Dimensions (mm): 480 x 380 x 113. 850 °C resistant back box suitable for installation in masonry or hollow walls.
	62040 2JB		60040 2GB
48 Modules (2x24)			
	Interior Fitting and Door for Low Profile Distribution Panelboard Outside Dimensions (mm): 577 x 400 x 11. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 2 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.		Flush Mounting Box for Panelboard Outside Dimensions (mm): 552 x 380 x 113. 850 °C resistant back box suitable for installation in masonry or hollow walls.
	62048 2JB		60048 2GB
60 Modules (3x20)			
	Interior Fitting and Door for Low Profile Distribution Panelboard Outside Dimensions (mm): 505 x 525 x 11. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 2 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.		Flush Mounting Box for Panelboard Outside Dimensions (mm): 480 x 505 x 113. 850 °C resistant back box suitable for installation in masonry or hollow walls.
	62060 3JB		60060 3GB
80 Modules (4x20)			
	Interior Fitting and Door for Low Profile Distribution Panelboard Outside Dimensions (mm): 505 x 650 x 11. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 2 units; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 3 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate (2 units).		Flush Mounting Box for Panelboard Outside Dimensions (mm): 480 x 630 x 113. 850 °C resistant back box suitable for installation in masonry or hollow walls.
	62080 4JB		60080 4GB

Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.

[See Technical Data Sheet - page 349 to 353](#)

		ref.	mod.	rows
4 Modules (1x4)				
	Complete Low Profile Flush Mounting Distribution Panelboard Outside Dimensions (mm): 217 x 275 x 124. 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.	62004 1AB	4	1
8 Modules (1x8)				
	Complete Low Profile Flush Mounting Distribution Panelboard Outside Dimensions (mm): 289 x 275 x 124. 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.	62008 1AB	8	1
12 Modules (1x12)				
	Complete Low Profile Flush Mounting Distribution Panelboard Outside Dimensions (mm): 361 x 275 x 124. 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.	62012 1AB	12	1
16 Modules (2x8)				
	Complete Low Profile Flush Mounting Distribution Panelboard Outside Dimensions (mm): 289 x 400 x 124. 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.	62016 2AB	16	2
24 Modules (2x12)				
	Complete Low Profile Flush Mounting Distribution Panelboard Outside Dimensions (mm): 361 x 400 x 124. 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	62024 2AB	24	2

Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.

 [See Technical Data Sheet - page 349 to 353](#)

		ref.	mod.	rows	
32 Modules (2x16)		Complete Low Profile Flush Mounting Distribution Panelboard Outside Dimensions (mm): 433 x 400 x 124 . 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	62032 2AB	32	2
40 Modules (2x20)		Complete Low Profile Flush Mounting Distribution Panelboard Outside Dimensions (mm): 505 x 400 x 124 . 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	62040 2AB	40	2
48 Modules (2x24)		Complete Low Profile Flush Mounting Distribution Panelboard Outside Dimensions (mm): 577 x 400 x 124 . 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 2 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	62048 2AB	48	2
60 Modules (3x20)		Complete Low Profile Flush Mounting Distribution Panelboard Outside Dimensions (mm): 505 x 525 x 124 . 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 2 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	62060 3AB	60	3
80 Modules (4x20)		Complete Low Profile Flush Mounting Distribution Panelboard Outside Dimensions (mm): 505 x 650 x 124 . 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 2 units; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 3 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate (2 units).	62080 4AB	80	4

Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.

 See [Technical Data Sheet](#) - page 349 to 353

telecommunication panelboards - semi-assembled

	ref.		ref.
6 Coaxial Cable Outputs (CC) and up to 12 Copper Pair Outputs (CP)			
	Interior Fitting and Door for Low Profile Telecom Panelboard Outside Dimensions (mm): 577 x 400 x 11 . Accessories: - CP Splitter with connectors Cat. 6 UTP (1 input and 6 outputs, expandable to 12 outputs); - Double Coaxial Splitter (2 inputs and 2 x 6 outputs); - OF Splitter with SC/APC Simplex Optical Fiber Coupler; - Earth Socket (Schuko Type) (Ref. 45132 SBR).		Flush Mounting Box for Panelboard Outside Dimensions (mm): 552 x 380 x 113 . 850 °C resistant back box suitable for installation in masonry or hollow walls.
	62048 2LB		60048 2GB
8 Coaxial Cable Outputs (CC) and up to 24 Copper Pair Outputs (CP)			
	Interior Fitting and Door for Low Profile Telecom Panelboard Outside Dimensions (mm): 505 x 525 x 11 . Accessories: - CP Splitter with connectors Cat. 6 UTP (1 input and 8 outputs, expandable to 24 outputs); - Double Coaxial Splitter (2 inputs and 2 x 8 outputs); - OF Splitter with SC/APC Simplex Optical Fiber Coupler; - Earth Socket (Schuko Type) (Ref. 45132 SBR).		Flush Mounting Box for Panelboard Outside Dimensions (mm): 480 x 505 x 113 . 850 °C resistant back box suitable for installation in masonry or hollow walls.
	62060 3NB		60060 3GB
12 Coaxial Cable Outputs (CC) and up to 24 Copper Pair Outputs (CP)			
	Interior Fitting and Door for Low Profile Telecom Panelboard Outside Dimensions (mm): 505 x 525 x 11 . Accessories: - CP Splitter with connectors Cat. 6 UTP (1 input and 12 outputs, expandable to 24 outputs); - Double Coaxial Splitter (2 inputs and 2 x 12 outputs); - OF Splitter with SC/APC Simplex Optical Fiber Coupler; - Earth Socket (Schuko Type) (Ref. 45132 SBR).		Flush Mounting Box for Panelboard Outside Dimensions (mm): 480 x 505 x 113 . 850 °C resistant back box suitable for installation in masonry or hollow walls.
	62060 3MB		60060 3GB

auxiliary telecommunication panelboard - semi-assembled

6 Coaxial Cable Outputs (CC) and up to 12 Copper Pair Outputs (CP)			
	Low Profile Door for Telecom Back Box - 48 Modules Outside Dimensions (mm): 577 x 400 x 11 .		Flush Mounting Box for Panelboard Outside Dimensions (mm): 552 x 380 x 113 . 850 °C resistant back box suitable for installation in masonry or hollow walls.
	62048 2QB		60048 2GB
12 Coaxial Cable Outputs (CC) and up to 24 Copper Pair Outputs (CP)			
	Low Profile Door for Telecom Back Box - 60 Modules Outside Dimensions (mm): 505 x 525 x 11 .		Flush Mounting Box for Panelboard Outside Dimensions (mm): 480 x 505 x 113 . 850 °C resistant back box suitable for installation in masonry or hollow walls.
	62060 3RB		60060 3GB

Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.
[See Technical Data Sheet - page 354 to 359](#)

telecommunication panelboards - complete

ref.

6 Coaxial Cable Outputs (CC) and up to 12 Copper Pair Outputs (CP)



Complete Low Profile Flush Mounting Telecom Panelboard

Outside Dimensions (mm): 577 x 400 x 124;
850 °C resistant back box suitable for installation in masonry or hollow walls.

Accessories:

- CP Splitter with connectors Cat. 6 UTP (1 input and 6 outputs, expandable to 12 outputs);
- Double Coaxial Splitter (2 inputs and 2 x 6 outputs);
- OF Splitter with SC/APC Simplex Optical Fiber Coupler;
- Earth Socket (Schuko Type) (Ref. 45132 SBR).

62048 2PB

8 Coaxial Cable Outputs (CC) and up to 24 Copper Pair Outputs (CP)



Complete Low Profile Flush Mounting Telecom Panelboard

Outside Dimensions (mm): 505 x 525 x 124;
850 °C resistant back box suitable for installation in masonry or hollow walls.

Accessories:

- CP Splitter with connectors Cat. 6 UTP (1 input and 8 outputs, expandable to 24 outputs);
- Double Coaxial Splitter (2 inputs and 2 x 8 outputs);
- OF Splitter with SC/APC Simplex Optical Fiber Coupler;
- Earth Socket (Schuko Type) (Ref. 45132 SBR).

62060 3SB

12 Coaxial Cable Outputs (CC) and up to 24 Copper Pair Outputs (CP)



Complete Low Profile Flush Mounting Telecom Panelboard

Outside Dimensions (mm): 505 x 525 x 124;
850 °C resistant back box suitable for installation in masonry or hollow walls.

Accessories:

- CP Splitter with connectors Cat. 6 UTP (1 input and 12 outputs, expandable to 24 outputs);
- Double Coaxial Splitter (2 inputs and 2 x 12 outputs);
- OF Splitter with SC/APC Simplex Optical Fiber Coupler;
- Earth Socket (Schuko Type) (Ref. 45132 SBR).

62060 3PB

auxiliary telecommunication panelboard - complete

6 Coaxial Cable Outputs (CC) and up to 12 Copper Pair Outputs (CP)



Auxiliary Box for Complete Low Profile Flush Mounting Telecom Panelboard

Outside Dimensions (mm): 577 x 400 x 124.
850 °C resistant back box suitable for installation in masonry or hollow walls.

62048 2UB

12 Coaxial Cable Outputs (CC) and up to 24 Copper Pair Outputs (CP)



Auxiliary Box for Complete Low Profile Flush Mounting Telecom Panelboard

Outside Dimensions (mm): 505 x 525 x 124.
850 °C resistant back box suitable for installation in masonry or hollow walls.

62060 3UB

Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.

[See Technical Data Sheet - page 354 to 359](#)

			ref.
	Low Profile Panelboard Keylock	 	62900
	Low Profile Panelboard Rotary Lever Lock	 	62910
	Installation Kit for Hollow-Wall Flush Mounting Boxes	 	60914
	Connection for Panelboard Boxes with Cable Pass	 	60915
 	Brass Terminal with 9 Phase Connections	 	60901
 	Brass Terminal with 9 Neutral Connections	 	60902
 	Brass Terminal with 9 Earth Connections	 	60903
 	Brass Terminal with 20 Neutral Connections	 	60904
 	Brass Terminal with 20 Earth Connections	 	60905
	Coaxial Splitter 2x6 Outputs 5 - 862 MHz: 11 dB 950 - 2400 MHz: 15 dB F-Type, 5-2400 MHz, Flow DC 30 V 700 mA		60911
	Coaxial Splitter 2x8 Outputs 5 - 862 MHz: 12,5 dB 950 - 2400 MHz: 16 dB F-Type, 5-2400 MHz, Flow DC 30 V 700 mA		60913
	Coaxial Splitter 2x12 Outputs 5 - 862 MHz: 15,5 dB 950 - 2400 MHz: 21 dB F-Type, 5-2400 MHz, Flow DC 30 V 700 mA		60912
	Filler Plate 10 Modules		60906
	Optical Fiber Terminal Box		60907

	ref.		ref.
4 Modules (1x4)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 217 x 275 x 35. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.		Low Depth Flush Mounting Box for Panelboard Outside Dimensions (mm): 192 x 255 x 75. 850 °C resistant back box suitable for installation in masonry or hollow walls.
		61004 1JB	61004 1GB
8 Modules (1x8)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 289 x 275 x 35. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.		Low Depth Flush Mounting Box for Panelboard Outside Dimensions (mm): 264 x 255 x 75. 850 °C resistant back box suitable for installation in masonry or hollow walls.
		61008 1JB	61008 1GB
12 Modules (1x12)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 361 x 275 x 35. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.		Low Depth Flush Mounting Box for Panelboard Outside Dimensions (mm): 336 x 255 x 75. 850 °C resistant back box suitable for installation in masonry or hollow walls.
		61012 1JB	61012 1GB
16 Modules (2x8)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 289 x 400 x 35. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.		Low Depth Flush Mounting Box for Panelboard Outside Dimensions (mm): 264 x 380 x 75. 850 °C resistant back box suitable for installation in masonry or hollow walls.
		61016 2JB	61016 2GB
24 Modules (2x12)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 361 x 400 x 35. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.		Low Depth Flush Mounting Box for Panelboard Outside Dimensions (mm): 336 x 380 x 75. 850 °C resistant back box suitable for installation in masonry or hollow walls.
		61024 2JB	61024 2GB

Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.

[See Technical Data Sheet - page 349 to 353](#)



	ref.		ref.
32 Modules (2x16)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 433 x 400 x 35 . Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.		Low Depth Flush Mounting Box for Panelboard Outside Dimensions (mm): 408 x 380 x 75 . 850 °C resistant back box suitable for installation in masonry or hollow walls.
	61032 2JB		61032 2GB
40 Modules (2x20)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 505 x 400 x 35 . Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.		Low Depth Flush Mounting Box for Panelboard Outside Dimensions (mm): 480 x 380 x 75 . 850 °C resistant back box suitable for installation in masonry or hollow walls.
	61040 2JB		61040 2GB
48 Modules (2x24)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 577 x 400 x 35 . Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 2 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.		Low Depth Flush Mounting Box for Panelboard Outside Dimensions (mm): 552 x 380 x 75 . 850 °C resistant back box suitable for installation in masonry or hollow walls.
	61048 2JB		61048 2GB
60 Modules (3x20)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 505 x 525 x 35 . Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 2 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.		Low Depth Flush Mounting Box for Panelboard Outside Dimensions (mm): 480 x 505 x 75 . 850 °C resistant back box suitable for installation in masonry or hollow walls.
	61060 3JB		61060 3GB
80 Modules (4x20)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 505 x 650 x 35 . Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 2 units; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 3 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate (2 units).		Low Depth Flush Mounting Box for Panelboard Outside Dimensions (mm): 480 x 630 x 75 . 850 °C resistant back box suitable for installation in masonry or hollow walls.
	61080 4JB		61080 4GB

Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.

 See Technical Data Sheet - page 349 to 353

		ref.	mod.	rows
4 Modules (1x4)				
	Complete Low Depth Flush Mounting Distribution Panelboard			
	Outside Dimensions (mm): 217 x 275 x 110 .			
	850 °C resistant back box suitable for installation in masonry or hollow walls.			
	Accessories:			
	- Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.			
	61004 1AB	4		1
8 Modules (1x8)				
	Complete Low Depth Flush Mounting Distribution Panelboard			
	Outside Dimensions (mm): 289 x 275 x 110 .			
	850 °C resistant back box suitable for installation in masonry or hollow walls.			
	Accessories:			
	- Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.			
	61008 1AB	8		1
12 Modules (1x12)				
	Complete Low Depth Flush Mounting Distribution Panelboard			
	Outside Dimensions (mm): 361 x 275 x 110 .			
	850 °C resistant back box suitable for installation in masonry or hollow walls.			
	Accessories:			
	- Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.			
	61012 1AB	12		1
16 Modules (2x8)				
	Complete Low Depth Flush Mounting Distribution Panelboard			
	Outside Dimensions (mm): 289 x 400 x 110 .			
	850 °C resistant back box suitable for installation in masonry or hollow walls.			
	Accessories:			
	- Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.			
	61016 2AB	16		2
24 Modules (2x12)				
	Complete Low Depth Flush Mounting Distribution Panelboard			
	Outside Dimensions (mm): 361 x 400 x 110 .			
	850 °C resistant back box suitable for installation in masonry or hollow walls.			
	Accessories:			
	- Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.			
	61024 2AB	24		2

Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.
[See Technical Data Sheet - page 349 to 353](#)

		ref.	mod.	rows
32 Modules (2x16)				
	Complete Low Depth Flush Mounting Distribution Panelboard			
	Outside Dimensions (mm): 433 x 400 x 110 .			
	850 °C resistant back box suitable for installation in masonry or hollow walls.			
	Accessories:			
	- Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.			
		61032 2AB	32	2
40 Modules (2x20)				
	Complete Low Depth Flush Mounting Distribution Panelboard			
	Outside Dimensions (mm): 505 x 400 x 110 .			
	850 °C resistant back box suitable for installation in masonry or hollow walls.			
	Accessories:			
	- Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.			
		61040 2AB	40	2
48 Modules (2x24)				
	Complete Low Depth Flush Mounting Distribution Panelboard			
	Outside Dimensions (mm): 577 x 400 x 110 .			
	850 °C resistant back box suitable for installation in masonry or hollow walls.			
	Accessories:			
	- Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 2 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.			
		61048 2AB	48	2
60 Modules (3x20)				
	Complete Low Depth Flush Mounting Distribution Panelboard			
	Outside Dimensions (mm): 505 x 525 x 110 .			
	850 °C resistant back box suitable for installation in masonry or hollow walls.			
	Accessories:			
	- Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 2 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.			
		61060 3AB	60	3
80 Modules (4x20)				
	Complete Low Depth Flush Mounting Distribution Panelboard			
	Outside Dimensions (mm): 505 x 650 x 110 .			
	850 °C resistant back box suitable for installation in masonry or hollow walls.			
	Accessories:			
	- Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 2 units; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 3 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate (2 units).			
		61080 4AB	80	4

Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.

 See Technical Data Sheet - page 349 to 353

telecommunications box

COMPLETE LOW DEPTH FLUSH MOUNTING



Telecom Complete Box Recessed Low Depth

Outside Dimensions (mm): 572 x 801 x 110.

850 °C resistant back box suitable for installation in masonry or hollow walls.

ref. 61048 2UB

The product meets the requirements of the Spanish ICT2 regulation..

[See Technical Data Sheet - page 360 and 361](#)

			ref.
	Panelboard Keylock	 	60900
	Panelboard Rotary Lever Lock	 	60910
	Installation Kit for Hollow-Wall Flush Mounting Boxes	 	60914
	Connection for Panelboard Boxes with Cable Pass	 	60915
	Brass Terminal with 9 Phase Connections	 	60901
	Brass Terminal with 9 Neutral Connections	 	60902
	Brass Terminal with 9 Earth Connections	 	60903
	Brass Terminal with 20 Neutral Connections	 	60904
	Brass Terminal with 20 Earth Connections	 	60905
	Filler Plate 10 Modules		60906

distribution panelboards - semi-assembled

	ref.		ref.
4 Modules (1x4)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 217 x 275 x 35. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.	 60004 1JB	Flush Mounting Box for Panelboard Outside Dimensions (mm): 192 x 255 x 113. 850 °C resistant back box suitable for installation in masonry or hollow walls.
			60004 1GB
8 Modules (1x8)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 289 x 275 x 35. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.	 60008 1JB	Flush Mounting Box for Panelboard Outside Dimensions (mm): 264 x 255 x 113. 850 °C resistant back box suitable for installation in masonry or hollow walls.
			60008 1GB
12 Modules (1x12)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 361 x 275 x 35. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.	 60012 1JB	Flush Mounting Box for Panelboard Outside Dimensions (mm): 336 x 255 x 113. 850 °C resistant back box suitable for installation in masonry or hollow walls.
			60012 1GB
16 Modules (2x8)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 289 x 400 x 35. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.	 60016 2JB	Flush Mounting Box for Panelboard Outside Dimensions (mm): 264 x 380 x 113. 850 °C resistant back box suitable for installation in masonry or hollow walls.
			60016 2GB
24 Modules (2x12)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 361 x 400 x 35. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	 60024 2JB	Flush Mounting Box for Panelboard Outside Dimensions (mm): 336 x 380 x 113. 850 °C resistant back box suitable for installation in masonry or hollow walls.
			60024 2GB

Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.

 See Technical Data Sheet - page 349 to 353

	ref.		ref.
32 Modules (2x16)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 433 x 400 x 35 . Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	 60032 2JB	Flush Mounting Box for Panelboard Outside Dimensions (mm): 408 x 380 x 113 . 850 °C resistant back box suitable for installation in masonry or hollow walls.
			60032 2GB
40 Modules (2x20)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 505 x 400 x 35 . Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	 60040 2JB	Flush Mounting Box for Panelboard Outside Dimensions (mm): 480 x 380 x 113 . 850 °C resistant back box suitable for installation in masonry or hollow walls.
			60040 2GB
48 Modules (2x24)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 577 x 400 x 35 . Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 2 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	 60048 2JB	Flush Mounting Box for Panelboard Outside Dimensions (mm): 552 x 380 x 113 . 850 °C resistant back box suitable for installation in masonry or hollow walls.
			60048 2GB
60 Modules (3x20)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 505 x 525 x 35 . Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 2 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	 60060 3JB	Flush Mounting Box for Panelboard Outside Dimensions (mm): 480 x 505 x 113 . 850 °C resistant back box suitable for installation in masonry or hollow walls.
			60060 3GB
80 Modules (4x20)			
	Interior Fitting and Door for Flush Mounting Panelboard Outside Dimensions (mm): 505 x 650 x 35 . Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 2 units; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 3 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate (2 units).	 60080 4JB	Flush Mounting Box for Panelboard Outside Dimensions (mm): 480 x 630 x 113 . 850 °C resistant back box suitable for installation in masonry or hollow walls.
			60080 4GB

Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.

 See Technical Data Sheet - page 349 to 353

		ref.	mod.	rows
4 Modules (1x4)				
	Complete Flush Mounting Distribution Panelboard Outside Dimensions (mm): 217 x 275 x 148. 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.	60004 1AB	4	1
8 Modules (1x8)				
	Complete Flush Mounting Distribution Panelboard Outside Dimensions (mm): 289 x 275 x 148. 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.	60008 1AB	8	1
12 Modules (1x12)				
	Complete Flush Mounting Distribution Panelboard Outside Dimensions (mm): 361 x 275 x 148. 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.	60012 1AB	12	1
16 Modules (2x8)				
	Complete Flush Mounting Distribution Panelboard Outside Dimensions (mm): 289 x 400 x 148. 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels.	60016 2AB	16	2
24 Modules (2x12)				
	Complete Flush Mounting Distribution Panelboard Outside Dimensions (mm): 361 x 400 x 148. 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	60024 2AB	24	2

Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.

 See [Technical Data Sheet](#) - page 349 to 353

		ref.	mod.	rows	
32 Modules (2x16)		Complete Flush Mounting Distribution Panelboard Outside Dimensions (mm): 433 x 400 x 148 . 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	60032 2AB	32	2
40 Modules (2x20)		Complete Flush Mounting Distribution Panelboard Outside Dimensions (mm): 505 x 400 x 148 . 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	60040 2AB	40	2
48 Modules (2x24)		Complete Flush Mounting Distribution Panelboard Outside Dimensions (mm): 577 x 400 x 148 . 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 2 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	60048 2AB	48	2
60 Modules (3x20)		Complete Flush Mounting Distribution Panelboard Outside Dimensions (mm): 505 x 525 x 148 . 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 2 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	60060 3AB	60	3
80 Modules (4x20)		Complete Flush Mounting Distribution Panelboard Outside Dimensions (mm): 505 x 650 x 148 . 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 2 units; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 3 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate (2 units).	60080 4AB	80	4

Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.

 [See Technical Data Sheet - page 349 to 353](#)

ICB (*) incomer panelboards - semi-assembled

ref.

ref.

16 Modules (2x8) + ICB



ICB Interior Fitting and Door for Flush Mounting Panelboard

Outside Dimensions (mm): 433 x 400 x 35.

Accessories:

- Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit;
- Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit;
- Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.

60016 2KB



Flush Mounting Box for Panelboard

Outside Dimensions (mm): 408 x 380 x 113.

850 °C resistant back box suitable for installation in masonry or hollow walls.

60032 2GB

24 Modules (2x12) + ICB



ICB Interior Fitting and Door for Flush Mounting Panelboard

Outside Dimensions (mm): 505 x 400 x 35.

Accessories:

- Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units;
- Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit;
- Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.

60024 2KB



Flush Mounting Box for Panelboard

Outside Dimensions (mm): 480 x 380 x 113.

850 °C resistant back box suitable for installation in masonry or hollow walls.

60040 2GB

32 Modules (2x16) + ICB



ICB Interior Fitting and Door for Flush Mounting Panelboard

Outside Dimensions (mm): 577 x 400 x 35.

Accessories:

- Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units;
- Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit;
- Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.

60032 2KB



Flush Mounting Box for Panelboard

Outside Dimensions (mm): 552 x 380 x 113.

850 °C resistant back box suitable for installation in masonry or hollow walls.

60048 2GB

44 Modules (2x12+1x20) + ICB



ICB Interior Fitting and Door for Flush Mounting Panelboard

Outside Dimensions (mm): 505 x 525 x 35.

Accessories:

- Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit;
- Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit;
- Brass Terminal with 20 Earth Connections (Ref. 60905) - 2 units;
- Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.

60044 3KB



Flush Mounting Box for Panelboard

Outside Dimensions (mm): 480 x 505 x 113.

850 °C resistant back box suitable for installation in masonry or hollow walls.

60060 3GB

64 Modules (2x12+2x20) + ICB



ICB Interior Fitting and Door for Flush Mounting Panelboard

Outside Dimensions (mm): 505 x 650 x 35.

Accessories:

- Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units;
- Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit;
- Brass Terminal with 20 Earth Connections (Ref. 60905) - 2 units;
- Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate (2 units).

60064 4KB



Flush Mounting Box for Panelboard

Outside Dimensions (mm): 480 x 630 x 113.

850 °C resistant back box suitable for installation in masonry or hollow walls.

60080 4GB

ICB - Incomer Circuit Breaker (Power Control Device) for Panelboard.
Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.

[See Technical Data Sheet - page 349 to 353](#)

ICB incomer panelboards (*) - complete

		ref.	mod.	rows
16 Modules (2x8) + ICB				
	Complete Flush Mounting Incomer Panelboard			
	Outside Dimensions (mm): 433 x 400 x 148 . 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 9 Earth Connections (Ref. 60903) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	60016 2BB	16	2
24 Modules (2x12) + ICB				
	Complete Flush Mounting Incomer Panelboard			
	Outside Dimensions (mm): 505 x 400 x 148 . 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	60024 2BB	24	2
32 Modules (2x16) + ICB				
	Complete Flush Mounting Incomer Panelboard			
	Outside Dimensions (mm): 577 x 400 x 148 . 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 1 unit; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	60032 2BB	32	2
44 Modules (2x12+1x20) + ICB				
	Complete Flush Mounting Incomer Panelboard			
	Outside Dimensions (mm): 505 x 525 x 148 . 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 1 unit; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 2 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate.	60044 3BB	44	3
64 Modules (2x12+2x20) + ICB				
	Complete Flush Mounting Incomer Panelboard			
	Outside Dimensions (mm): 505 x 650 x 148 . 850 °C resistant back box suitable for installation in masonry or hollow walls. Accessories: - Brass Terminal with 9 Neutral Connections (Ref. 60902) - 2 units; - Brass Terminal with 20 Neutral Connections (Ref. 60904) - 1 unit; - Brass Terminal with 20 Earth Connections (Ref. 60905) - 2 units; - Supplied with DIN rail, self-adhesive circuit identification sheet and labels and filler plate (2 units).	60064 4BB	64	4

ICB - Incomer Circuit Breaker (Power Control Device) for Panelboard.
Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.
[See Technical Data Sheet - page 349 to 353](#)

telecommunication panelboards - semi-assembled

ref.

ref.

6 Coaxial Cable Outputs (CC) and up to 12 Copper Pair Outputs (CP)



Interior Fitting and Door for Telecom Panelboard

Outside Dimensions (mm): 577 x 400 x 35.

Accessories:

- CP Splitter with connectors Cat. 6 UTP (1 input and 6 outputs, expandable to 12 outputs);
- Double Coaxial Splitter (2 inputs and 2 x 6 outputs);
- OF Splitter with SC/APC Simplex Optical Fiber Coupler;
- Earth Socket (Schuko Type) (Ref. 45132 SBR).

60048 2LB



Flush Mounting Box for Panelboard

Outside Dimensions (mm): 552 x 380 x 113.

850 °C resistant back box suitable for installation in masonry or hollow walls.

60048 2GB

8 Coaxial Cable Outputs (CC) and up to 24 Copper Pair Outputs (CP)



Interior Fitting and Door for Telecom Panelboard

Outside Dimensions (mm): 505 x 525 x 35.

Accessories:

- CP Splitter with connectors Cat. 6 UTP (1 input and 8 outputs, expandable to 24 outputs);
- Double Coaxial Splitter (2 inputs and 2 x 8 outputs);
- OF Splitter with SC/APC Simplex Optical Fiber Coupler;
- Earth Socket (Schuko Type) (Ref. 45132 SBR).

60060 3NB



Flush Mounting Box for Panelboard

Outside Dimensions (mm): 480 x 505 x 113.

850 °C resistant back box suitable for installation in masonry or hollow walls.

60060 3GB

12 Coaxial Cable Outputs (CC) and up to 24 Copper Pair Outputs (CP)



Interior Fitting and Door for Telecom Panelboard

Outside Dimensions (mm): 505 x 525 x 35.

Accessories:

- CP Splitter with connectors Cat. 6 UTP (1 input and 12 outputs, expandable to 24 outputs);
- Double Coaxial Splitter (2 inputs and 2 x 12 outputs);
- OF Splitter with SC/APC Simplex Optical Fiber Coupler;
- Earth Socket (Schuko Type) (Ref. 45132 SBR).

60060 3MB



Flush Mounting Box for Panelboard

Outside Dimensions (mm): 480 x 505 x 113.

850 °C resistant back box suitable for installation in masonry or hollow walls.

60060 3GB

auxiliary telecommunication panelboards - semi-assembled

6 Coaxial Cable Outputs (CC) and up to 12 Copper Pair Outputs (CP)



Door for Telecom Panelboard Back Box - 48 Modules

Outside Dimensions (mm): 577 x 400 x 35.

60048 2QB



Flush Mounting Box for Panelboard

Outside Dimensions (mm): 552 x 380 x 113.

850 °C resistant back box suitable for installation in masonry or hollow walls.

60048 2GB

12 Coaxial Cable Outputs (CC) and up to 24 Copper Pair Outputs (CP)



Door for Telecom Panelboard Back Box - 60 Modules

Outside Dimensions (mm): 505 x 525 x 35.

60060 3RB



Flush Mounting Box for Panelboard

Outside Dimensions (mm): 480 x 505 x 113.

850 °C resistant back box suitable for installation in masonry or hollow walls.

60060 3GB

Outside Dimensions (mm): W - Width x H - Height x D - Depth.

[See Technical Data Sheet - page 354 to 359](#)

telecommunication panelboards - complete

ref.

6 Coaxial Cable Outputs (CC) and up to 12 Copper Pair Outputs (CP)



Complete Flush Mounting Telecom Panelboard

Outside Dimensions (mm): **577 x 400 x 148**;
850 °C resistant back box suitable for installation in masonry or hollow walls.

Accessories:

- CP Splitter with connectors Cat. 6 UTP (1 input and 6 outputs, expandable to 12 outputs);
- Double Coaxial Splitter (2 inputs and 2 x 6 outputs);
- OF Splitter with SC/APC Simplex Optical Fiber Coupler;
- Earth Socket (Schuko Type) (Ref. 45132 SBR).

60048 2PB

8 Coaxial Cable Outputs (CC) and up to 24 Copper Pair Outputs (CP)



Complete Flush Mounting Telecom Panelboard

Outside Dimensions (mm): **505 x 525 x 148**;
850 °C resistant back box suitable for installation in masonry or hollow walls.

Accessories:

- CP Splitter with connectors Cat. 6 UTP (1 input and 8 outputs, expandable to 24 outputs);
- Double Coaxial Splitter (2 inputs and 2 x 8 outputs);
- OF Splitter with SC/APC Simplex Optical Fiber Coupler;
- Earth Socket (Schuko Type) (Ref. 45132 SBR)

60060 3SB

12 Coaxial Cable Outputs (CC) and up to 24 Copper Pair Outputs (CP)



Complete Flush Mounting Telecom Panelboard

Outside Dimensions (mm): **505 x 525 x 148**;
850 °C resistant back box suitable for installation in masonry or hollow walls.

Accessories:

- CP Splitter with connectors Cat. 6 UTP (1 input and 12 outputs, expandable to 24 outputs);
- Double Coaxial Splitter (2 inputs and 2 x 12 outputs);
- OF Splitter with SC/APC Simplex Optical Fiber Coupler;
- Earth Socket (Schuko Type) (Ref. 45132 SBR).

60060 3PB

auxiliary telecommunication panelboard - complete

6 Coaxial Cable Outputs (CC) and up to 12 Copper Pair Outputs (CP)



Auxiliary Box for Complete Flush Mounting Telecom Panelboard

Outside Dimensions (mm): **577 x 400 x 148**.
850 °C resistant back box suitable for installation in masonry or hollow walls.

60048 2UB

12 Coaxial Cable Outputs (CC) and up to 24 Copper Pair Outputs (CP)



Auxiliary Box for Complete Flush Mounting Telecom Panelboard

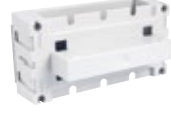
Outside Dimensions (mm): **505 x 525 x 148**.
850 °C resistant back box suitable for installation in masonry or hollow walls.

60060 3UB

Outside Dimensions (mm): **W** - Width x **H** - Height x **D** - Depth.

[See Technical Data Sheet - page 354 to 359](#)

accessories

			ref.
	Panelboard Keylock	 	60900
	Panelboard Rotary Lever Lock	 	60910
	Installation Kit for Hollow-Wall Flush Mounting Boxes	 	60914
	Connection for Panelboard Boxes with Cable Pass	 	60915
 	Brass Terminal with 9 Phase Connections	 	60901
 	Brass Terminal with 9 Neutral Connections	 	60902
 	Brass Terminal with 9 Earth Connections	 	60903
 	Brass Terminal with 20 Neutral Connections	 	60904
 	Brass Terminal with 20 Earth Connections	 	60905
	Coaxial Splitter 2x6 Outputs 5 - 862 MHz: 11 dB 950 - 2400 MHz: 15 dB F-Type, 5-2400 MHz, Flow DC 30 V 700 mA		60911
	Coaxial Splitter 2x8 Outputs 5 - 862 MHz: 12,5 dB 950 - 2400 MHz: 16 dB F-Type, 5-2400 MHz, Flow DC 30 V 700 mA		60913
	Coaxial Splitter 2x12 Outputs 5 - 862 MHz: 15,5 dB 950 - 2400 MHz: 21 dB F-Type, 5-2400 MHz, Flow DC 30 V 700 mA.		60912
	Filler Plate 10 Modules		60906
	Optical Fiber Terminal Box		60907

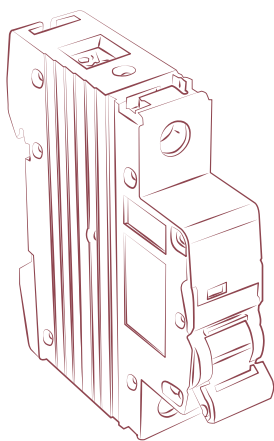
 **Distribution Panelboard**
 **Telecommunication Panelboard**

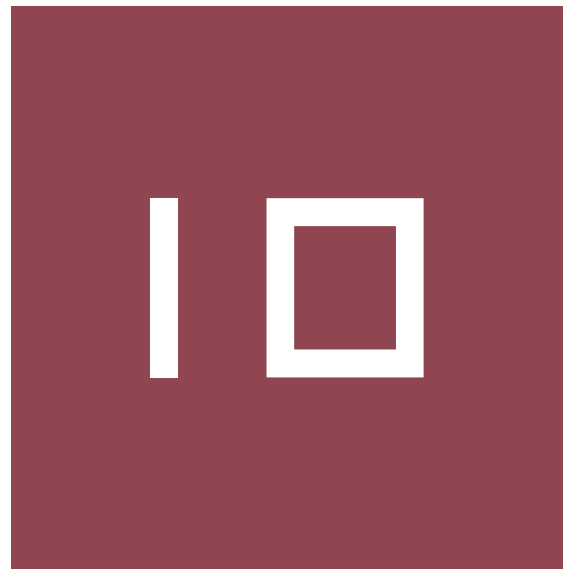
   - Screw Connection



modular protections and devices for panelboards

MODUS 55









MODUS 55

Miniature Circuit Breakers (MCB)

- Plus (4,5 kA) 202
- Super (6 kA) 203
- Ultra (10 kA) 204

Residual Current Circuit Breaker (RCCB)

- DIF Type 205

Residual Current Circuit Breaker with Overcurrent Protection (RCBO) - COMBI Type 205

Over-Voltage and Surge Protection Devices (SPD) - POWER Type 206

Switches, Signaling Devices and Energy Management

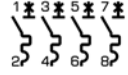
- Isolation Switches 206
- Fuse Hold Switch 207
- Indicators 207
- Doorbell Transformer 208
- Doorbell 208
- Staircase Time-delay Switches 208
- Contactor 209
- Latching Relay 210
- Time Switches 210
- Dimmer 211
- Control Relays 211

Busbars 212

Energy Sockets 213

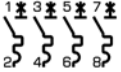
Accessories 213

miniature circuit breakers (MCB) PLUS (4,5 kA) - EN / IEC 60898-1

	symbol	description	rated current (A)	mod. DIN	ref. / tripping curve:		
					B	C	D
		MCB - 1P - 4,5 kA 230/400 V ~ - 50/60 Hz	6	1	—	55106 1CP	—
			10		—	55110 1CP	—
			16		—	55116 1CP	—
			20		—	55120 1CP	—
			25		—	55125 1CP	—
			32		—	55132 1CP	—
			40		—	55140 1CP	—
			50		—	55150 1CP	—
		MCB - 1P+N - 4,5 kA 230 V ~ 150/60 Hz	2	1	—	55102 5CP	—
			6		—	55106 5CP	—
			10		—	55110 5CP	—
			16		—	55116 5CP	—
			20		—	55120 5CP	—
			25		—	55125 5CP	—
			32		—	55132 5CP	—
		MCB - 1P+N - 4,5 kA 230 V ~ 150/60 Hz	40	2	—	55140 6CP	—
			50		—	55150 6CP	—
			63		—	55163 6CP	—
		MCB - 2P - 4,5 kA 400 V ~ - 50/60 Hz	6	2	—	55106 2CP	—
			10		—	55110 2CP	—
			16		—	55116 2CP	—
			20		—	55120 2CP	—
			25		—	55125 2CP	—
			32		—	55132 2CP	—
			40		—	55140 2CP	—
			50		—	55150 2CP	—
		MCB - 3P - 4,5 kA 400 V ~ - 50/60 Hz	6	3	—	55106 3CP	—
			10		—	55110 3CP	—
			16		—	55116 3CP	—
			20		—	55120 3CP	—
			25		—	55125 3CP	—
			32		—	55132 3CP	—
			40		—	55140 3CP	—
			50		—	55150 3CP	—
		MCB - 4P - 4,5 kA 400 V ~ - 50/60 Hz	6	4	—	55106 4CP	—
			10		—	55110 4CP	—
			16		—	55116 4CP	—
			20		—	55120 4CP	—
			25		—	55125 4CP	—
			32		—	55132 4CP	—
			40		—	55140 4CP	—
			50		—	55150 4CP	—
			63		—	55163 4CP	—

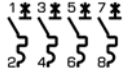
See Technical Data Sheet - page 362 and 363

miniature circuit breakers (MCB) SUPER (6 kA) - EN / IEC 60898-1

	symbol	Description	rated current (A)	mod. DIN	ref. / tripping curve:		
					B	C	D
		MCB - 1P - 6 kA 230/400 V ~ - 50/60 Hz	1	1	—	55101 1CS	—
			2		—	55102 1CS	—
			3		—	55103 1CS	—
			4		—	55104 1CS	—
			6		55106 1BS	55106 1CS	55106 1DS
			10		55110 1BS	55110 1CS	55110 1DS
			16		55116 1BS	55116 1CS	55116 1DS
			20		55120 1BS	55120 1CS	55120 1DS
			25		55125 1BS	55125 1CS	55125 1DS
			32		55132 1BS	55132 1CS	55132 1DS
			40		55140 1BS	55140 1CS	55140 1DS
			50		55150 1BS	55150 1CS	55150 1DS
			63		55163 1BS	55163 1CS	55163 1DS
		MCB - 1P+N - 6 kA 230 V ~ 50/60 Hz	1	2	—	55101 6CS	—
			2		—	55102 6CS	—
			3		—	55103 6CS	—
			4		—	55104 6CS	—
			6		—	55106 6CS	—
			10		—	55110 6CS	—
			16		—	55116 6CS	—
			20		—	55120 6CS	—
			25		—	55125 6CS	—
			32		—	55132 6CS	—
			40		—	55140 6CS	—
			50		—	55150 6CS	—
			63		—	55163 6CS	—
		MCB - 2P - 6 kA 400 V ~ - 50/60 Hz	1	2	—	55101 2CS	—
			2		—	55102 2CS	—
			3		—	55103 2CS	—
			4		—	55104 2CS	—
			6		55106 2BS	55106 2CS	55106 2DS
			10		55110 2BS	55110 2CS	55110 2DS
			16		55116 2BS	55116 2CS	55116 2DS
			20		55120 2BS	55120 2CS	55120 2DS
			25		55125 2BS	55125 2CS	55125 2DS
			32		55132 2BS	55132 2CS	55132 2DS
			40		55140 2BS	55140 2CS	55140 2DS
			50		55150 2BS	55150 2CS	55150 2DS
			63		55163 2BS	55163 2CS	55163 2DS
		MCB - 3P - 6 kA 400 V ~ - 50/60 Hz	1	3	—	55101 3CS	—
			2		—	55102 3CS	—
			3		—	55103 3CS	—
			4		—	55104 3CS	—
			6		55106 3BS	55106 3CS	55106 3DS
			10		55110 3BS	55110 3CS	55110 3DS
			16		55116 3BS	55116 3CS	55116 3DS
			20		55120 3BS	55120 3CS	55120 3DS
			25		55125 3BS	55125 3CS	55125 3DS
			32		55132 3BS	55132 3CS	55132 3DS
			40		55140 3BS	55140 3CS	55140 3DS
			50		55150 3BS	55150 3CS	55150 3DS
			63		55163 3BS	55163 3CS	55163 3DS
		MCB - 4P - 6 kA 400 V ~ - 50/60 Hz	1	4	—	55101 4CS	—
			2		—	55102 4CS	—
			3		—	55103 4CS	—
			4		—	55104 4CS	—
			6		55106 4BS	55106 4CS	55106 4DS
			10		55110 4BS	55110 4CS	55110 4DS
			16		55116 4BS	55116 4CS	55116 4DS
			20		55120 4BS	55120 4CS	55120 4DS
			25		55125 4BS	55125 4CS	55125 4DS
			32		55132 4BS	55132 4CS	55132 4DS
			40		55140 4BS	55140 4CS	55140 4DS
			50		55150 4BS	55150 4CS	55150 4DS
			63		55163 4BS	55163 4CS	55163 4DS

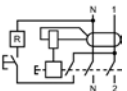
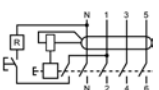
See Technical Data Sheet - page 362 and 363

miniature circuit breakers (MCB) ULTRA (10 kA) - EN / IEC 60898-1

	symbol	description	rated current (A)	mod. DIN	ref. / tripping curve:		
					B	C	D
		MCB - 1P - 10 kA 230/400 V ~ - 50/60 Hz	1	1	—	55101 1CU	—
			2		—	55102 1CU	—
			3		—	55103 1CU	—
			4		—	55104 1CU	—
			6		55106 1BU	55106 1CU	55106 1DU
			10		55110 1BU	55110 1CU	55110 1DU
			16		55116 1BU	55116 1CU	55116 1DU
			20		55120 1BU	55120 1CU	55120 1DU
			25		55125 1BU	55125 1CU	55125 1DU
			32		55132 1BU	55132 1CU	55132 1DU
			40		55140 1BU	55140 1CU	55140 1DU
			50		55150 1BU	55150 1CU	55150 1DU
			63		55163 1BU	55163 1CU	55163 1DU
		MCB - 2P - 10 kA 400 V ~ - 50/60 Hz	1	2	—	55101 2CU	—
			2		—	55102 2CU	—
			3		—	55103 2CU	—
			4		—	55104 2CU	—
			6		55106 2BU	55106 2CU	55106 2DU
			10		55110 2BU	55110 2CU	55110 2DU
			16		55116 2BU	55116 2CU	55116 2DU
			20		55120 2BU	55120 2CU	55120 2DU
			25		55125 2BU	55125 2CU	55125 2DU
			32		55132 2BU	55132 2CU	55132 2DU
			40		55140 2BU	55140 2CU	55140 2DU
			50		55150 2BU	55150 2CU	55150 2DU
			63		55163 2BU	55163 2CU	55163 2DU
		MCB - 3P - 10 kA 400 V ~ - 50/60 Hz	1	3	—	55101 3CU	—
			2		—	55102 3CU	—
			3		—	55103 3CU	—
			4		—	55104 3CU	—
			6		55106 3BU	55106 3CU	55106 3DU
			10		55110 3BU	55110 3CU	55110 3DU
			16		55116 3BU	55116 3CU	55116 3DU
			20		55120 3BU	55120 3CU	55120 3DU
			25		55125 3BU	55125 3CU	55125 3DU
			32		55132 3BU	55132 3CU	55132 3DU
			40		55140 3BU	55140 3CU	55140 3DU
			50		55150 3BU	55150 3CU	55150 3DU
			63		55163 3BU	55163 3CU	55163 3DU
		MCB - 4P - 10kA 400 V ~ - 50/60 Hz	1	4	—	55101 4CU	—
			2		—	55102 4CU	—
			3		—	55103 4CU	—
			4		—	55104 4CU	—
			6		55106 4BU	55106 4CU	55106 4DU
			10		55110 4BU	55110 4CU	55110 4DU
			16		55116 4BU	55116 4CU	55116 4DU
			20		55120 4BU	55120 4CU	55120 4DU
			25		55125 4BU	55125 4CU	55125 4DU
			32		55132 4BU	55132 4CU	55132 4DU
			40		55140 4BU	55140 4CU	55140 4DU
			50		55150 4BU	55150 4CU	55150 4DU
			63		55163 4BU	55163 4CU	55163 4DU

See Technical Data Sheet - page 362 and 363

residual current circuit breaker (RCCB) - DIF type - EN / IEC 61008-1

symbol	description	rated current (A)	mod. DIN	ref. / class: AC (⎓)	ref. / class: A (⎓)
 	RCCB 2P - 10 mA	16	2	55616 2AC	—
		25		55625 2AC	—
	RCCB 2P - 30 mA	16	2	55616 2BC	55616 2BA
		25		55625 2BC	55625 2BA
		40		55640 2BC	55640 2BA
		63		55663 2BC	55663 2BA
	RCCB 2P - 300 mA	25	2	55625 2DC	55625 2DA
		40		55640 2DC	55640 2DA
		63		55663 2DC	55663 2DA
	RCCB 2P - 500 mA	25	2	55625 2EC	—
		40		55640 2EC	—
		63		55663 2EC	—
 	RCCB 4P - 30 mA	25	4	55625 4BC	55625 4BA
		40		55640 4BC	55640 4BA
		63		55663 4BC	55663 4BA
	RCCB 4P - 300 mA	25	4	55625 4DC	55625 4DA
		40		55640 4DC	55640 4DA
		63		55663 4DC	55663 4DA
	RCCB 4P - 500 mA	25	4	55625 4EC	—
		40		55640 4EC	—
		63		55663 4EC	—

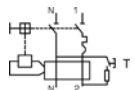
 **Transient Protection** - Residual Current Circuit Breakers - DIF Type are protected against nuisance tripping caused by transient leakage currents (lightning, capacitive loads).

 **AC Class** - For general purpose, protects the environment in the presence of current leakage with a purely sinusoidal waveform.

 **A Class** - For facilities with equipments such as rectifiers, triacs, etc., that may cause a leakage of current with DC current components, undetectable by the AC Class devices.

[See Technical Data Sheet - page 364](#)

residual current circuit breaker with overcurrent protection (RCBO) - COMBI type - EN / IEC 61009-1

symbol	description	rated current (A)	mod. DIN	ref. / class / curve: AC (⎓) / C
 	RCBO 1P+N - 6 kA - 30 mA	6	2	55306 6BY
		10		55310 6BY
		16		55316 6BY
		20		55320 6BY
		25		55325 6BY
		32		55332 6BY
		40		55340 6BY

 **Transient Protection** - Residual Current Circuit Breakers with Overcurrent Protection - COMBI Type are protected against random tripping caused by transient leakage currents (lightning, capacitive loads).

 **AC Class** - For general purpose, protects the environment in the presence of current leakage with a purely sinusoidal waveform.

[See Technical Data Sheet - page 365](#)

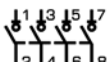
over-voltage and surge protection devices (SPD) - POWER type - IEC 61643-1

	symbol	description	rated voltage (Un/Uc)	I _{max} (kA)	mod. DIN	ref.
		SPD - 1P	230/320 V ~ 50/60 Hz	10	1	55410 1DC
		SPD - 1P	230/320 V ~ 50/60 Hz	20		55420 1DC
		SPD - 1P	230/320 V ~ 50/60 Hz	40		55440 1DC
		SPD - 1P	380/420 V ~ 50/60 Hz	60		55460 1DC

[See Technical Data Sheet - page 366](#)

switches, Signaling devices and energy management

isolation switches - IEC 60947-3

	symbol	description	rated voltage (Un/Uc)	rated current I _n (A)	mod. DIN	ref.
		Isolation Switch - 1P	250/415 V ~ 50/60 Hz	25	1	55525 1IT
				32		55532 1IT
				40		55540 1IT
				63		55563 1IT
				80		55580 1IT
				100		55500 1IT
		Isolation Switch - 2P	250/415 V ~ 50/60 Hz	25	2	55525 2IT
				32		55532 2IT
				40		55540 2IT
				63		55563 2IT
				80		55580 2IT
				100		55500 2IT
		Isolation Switch - 3P	250/415 V ~ 50/60 Hz	25	3	55525 3IT
				32		55532 3IT
				40		55540 3IT
				63		55563 3IT
				80		55580 3IT
				100		55500 3IT
		Isolation Switch - 4P	250/415 V ~ 50/60 Hz	25	4	55525 4IT
				32		55532 4IT
				40		55540 4IT
				63		55563 4IT
				80		55580 4IT
				100		55500 4IT

[See Technical Data Sheet - page 367](#)

switches, Signaling devices and energy management

fuse hold switch - IEC 60947-3

	description	mod. DIN	ref.
	Fuse Disconnecter Single Pole 10x38 i See Technical Data Sheet - page 368	1	55545

indicators

	symbol	description	color	power (W)	mod. DIN	ref.
		Pilot Lamp with Diffuser 230 V ~ 150/60 Hz	Green			55560 VRD
			Red	<1	1	55560 VRM
			Orange			55560 LAR

	3-Phase Voltage Indicator 230 V ~ 150/60 Hz i See Technical Data Sheet - page 369	1,5	1	55009
---	--	-----	---	--------------

	1-Phase Voltage Value Indicator 230 V ~ 150/60 Hz Voltage Level: 195 - 245 V ~ i See Technical Data Sheet - page 370	5,5	1	55010
---	--	-----	---	--------------

	3-Phase Voltage Value Indicator 230 V ~ 150/60 Hz Voltage Level: 195 - 245 V ~ i See Technical Data Sheet - page 371	15,5	1	55011
---	--	------	---	--------------

switches, Signaling devices and energy management

doorbell transformer

	symbol	description	power	secondary voltage (V)	mod. DIN	ref.
		Doorbell Transformer	8 VA	8 - 12 - 24	2	55508 TRF

doorbell

	symbol	description	power	voltage (V)	mod. DIN	ref.
		Doorbell	5 VA	12	1	55505 CMP
			6,5 VA	230		55565 CMP

staircase time-delay switches

	description	rated current (A)	mod. DIN	ref.
	Electronic Staircase Time-Delay Switch 16 A 230 V ~ I 50/60 Hz Operating Time Regulation: 10 seconds - 10 minutes Silent. See Technical Data Sheet - page 372	16	1	55030
	Electronic Staircase Time-Delay Switch 16 A with Blockage 230 V ~ I 50/60 Hz Operating Time Regulation: 3 minutes - 30 minutes Silent. See Technical Data Sheet - page 373	16	1	55031
	Staircase Time-Delay Switch 10 A 230 V ~ I 50/60 Hz See Technical Data Sheet - page 374	10	1	55510 SPA

switches, Signaling devices and energy management

contactor					
	description	type	rated current (A)	mod. DIN	ref.
	Two-pole Contactor 230 V ~ I 50/60 Hz	2 NO	20	1	55020 2NA
		2 NC	20	1	55020 2NF
		1 NO + 1 NC	20	1	55020 2AF
	Two-pole Manual Contactor 230 V ~ I 50/60 Hz	2 NO	20	1	55020 2MA
		2 NC	20	1	55020 2MF
	Four-pole Contactor 230 V ~ I 50/60 Hz	4 NO	25	2	55025 4NA
		4 NC	25	2	55025 4NF
	Four-pole Manual Contactor 230 V ~ I 50/60 Hz	4 NO	63	3	55063 4NA
		4 Nc	63	3	55063 4NF

NO - Normally Open; NC - Normally Closed.

[See Technical Data Sheet - page 375](#)

switches, Signaling devices and energy management

latching relay					
	description	type	rated current (A)	mod. DIN	ref.
	Electronic Latching Relay 16 A 230 V ~ I 50/60 Hz Silent. See Technical Data Sheet - page 376	1NO	16	1	55017
time switches					
	description	type	rated current (A)	mod. DIN	ref.
	1 Channel Analogue Daily Time Switch 230 V ~ I 50/60 Hz See Technical Data Sheet - page 377	Analogue Daily	16	1	55501 ANL
	1 Channel Digital Daily/ Weekly Time Switch 230 V ~ I 50/60 Hz See Technical Data Sheet - page 378	Digital / Weekly	/ Digital 16	2	55501 DIG
	1 Channel Digital Weekly Time Switch 230 V ~ I 50/60 Hz Operation mode: manual, automatic, random. Output type: ON, OFF and PULSE. Memory space: 400 memories. Activation possible with Rocker Push-buttons. See Technical Data Sheet - page 379	Digital Daily/ Weekly	16	2	55037
	2 Channels Digital Weekly Time Switch 230 V ~ I 50/60 Hz Operation mode: manual, automatic, random. Output type: ON, OFF and PULSE. Memory space: 400 memories. Activation possible with Rocker Push-buttons. See Technical Data Sheet - page 379	Digital / Weekly	16	2	55039

NO - Normally Open; NC - Normally Closed.

switches, Signaling devices and energy management

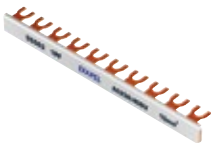
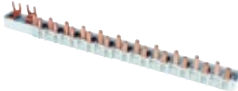
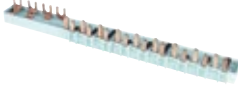
dimmer				
	description	output power (W)	mod. DIN	ref.
	Dimmer 230 V ~ I 50/60 Hz Connect to Rocker Push-buttons. Silent. See Technical Data Sheet - page 380	30-500	2	55020

control relays					
	description	type	rated current (A)	mod. DIN	ref.
	Voltage Control Relay Single Phase				
	230 V ~ I 50/60 Hz Minimum voltage: 170 - 225 V ~ Maximum voltage: 235 - 290 V ~ i See Technical Data Sheet - page 381	1 NO + NC	—	1	55024

	Current Control Relay Single Phase 16 A 230 V ~ I 50/60 Hz Adjusting current value: 1,6 - 16 A See Technical Data Sheet - page 382	1 NO + NC	16	1	55025
---	--	-----------	----	---	--------------

NO - Normally Open; NC - Normally Closed.

busbars

	description	Imax (A)	length (m)	ref.
pin type busbars				
	Pin Type Busbars - 1P	63	1	55563 1PD
	Pin Type Busbars - 2P			55563 2PD
	Pin Type Busbars - 3P			55563 3PD
	Pin Type Busbars - 4P			55563 4PD
"U" type busbars				
	"U" Type Busbars - 1P	63	1	55563 1PF
	"U" Type Busbars - 2P			55563 2PF
	"U" Type Busbars - 3P			55563 3PF
	"U" Type Busbars - 4P			55563 4PF
flat busbars				
	Flat Busbars - 1P - 13 Teeth	63	-	55563 1WP
	Flat Busbars - 1P		1	55563 1PP
"U" type busbars/flat				
 	"U" Type Busbars/Flat 13 Modules 1P+N Lower Terminal Mounting: (MCB)	63	-	55563 5PR
	"U" Type Busbars/Flat 13 Modules 3P+N Lower Terminal Mounting: (MCB)		-	55563 6PR
top for pin type busbars				
	Top for Pin Type Busbar - 1P			55563 1TP
	Top for Pin Type Busbar - 2P			55563 2TP
	Top for Pin Type Busbar - 3P			55563 3TP
	Top for Pin Type Busbar - 4P			55563 4TP

energy sockets - IEC 60884-1

	description	color	rated current (A)	mod. DIN	ref.
SCHUKO 		BR			55532 CBR
	Safety Earth Socket (Schuko Type)	VM			55532 CVM
	16 A - 250 V ~	LR			55532 CLR
		BR			55531 CBR
	Earth Socket (Schuko Type)	VM			55531 CVM
	16 A - 250 V ~	LR			55531 CLR
	Earth Socket (Schuko Type) with Blockage				55536 CVM
	16 A - 250 V ~				
	Supplied with Blocking Pin for Mec Q45 sockets (Ref. 45991).				
	Earth Socket (Schuko Type) with Blockage and Signal Light	VM			55537 CVM
FRENCH 		BR	16	2,5	55512 CBR
	Safety Earth Socket (French Type)	VM			55512 CVM
	16 A - 250 V ~	LR			55512 CLR
		BR			55511 CBR
	Earth Socket (French Type)	VM			55511 CVM
	16 A - 250 V ~	LR			55511 CLR
	Earth Socket (French Type) with Blockage				55516 CVM
	16 A - 250 V ~				
	Supplied with Blocking Pin for Mec Q45 sockets (Ref. 45991).				
	Earth Socket (French Type) with Blockage and Signal Light	VM			55517 CVM
	16 A - 250 V ~				
	Supplied with Blocking Pin for Mec Q45 sockets (Ref. 45991).				
accessories					
	Adapter for Q45 Modules to Panelboards	BR	—	—	45990 A
	Blocking Pin for Mec Q45 Series Sockets	—	—	—	45991
	Two Lateral Connector	—	63	1	55563 1LG
	IP2X Terminal's capacity to 25 mm².				

C - Complete Device; A - Accessory. | BR - White; VM - Red; LR - Orange.

⊖ / P2X / PHX - Screw Connection



accessories for electrical installations

sockets for charging VE

ref. color



Flush Mounting Schuko Socket for EV Charging new

16 A - 250 V ~

[See Technical Data Sheet - page 288](#)

81132



Flush Mounting French Socket for EV Charging new

16 A - 250 V ~

[See Technical Data Sheet - page 288](#)

81112



Surface Schuko Socket for EV Charging new

16 A - 250 V ~

[See Technical Data Sheet - page 287](#)

81751

Surface French Socket for EV Charging new

16 A - 250 V ~

[See Technical Data Sheet - page 287](#)

81752



plastic fittings

ref. color

5 Fitting (Packaging of 100 Units)

81052

5 Fitting (Packaging of 500 Units)

81053

5 Fitting (Packaging of 1000 Units)

81054

5 Fitting (Packaging of 5000 Units)

81055

6 Fitting (Packaging of 100 Units)

81062

6 Fitting (Packaging of 500 Units)

81063

6 Fitting (Packaging of 1000 Units)

81064

6 Fitting (Packaging of 5000 Units)

81065



8 Fitting (Packaging of 100 Units)

81082

8 Fitting (Packaging of 500 Units)

81083

8 Fitting (Packaging of 1000 Units)

81084

10 Fitting (Packaging of 100 Units)

81102

10 Fitting (Packaging of 500 Units)

81103

10 Fitting (Packaging of 1000 Units)

81104

E27 lamp-holders

ref. color



E27 Lamp-holder for Luminaires

4 A - 250 V ~

81211



E27 Lamp-holder for Table Lamps

4 A - 250 V ~

81221

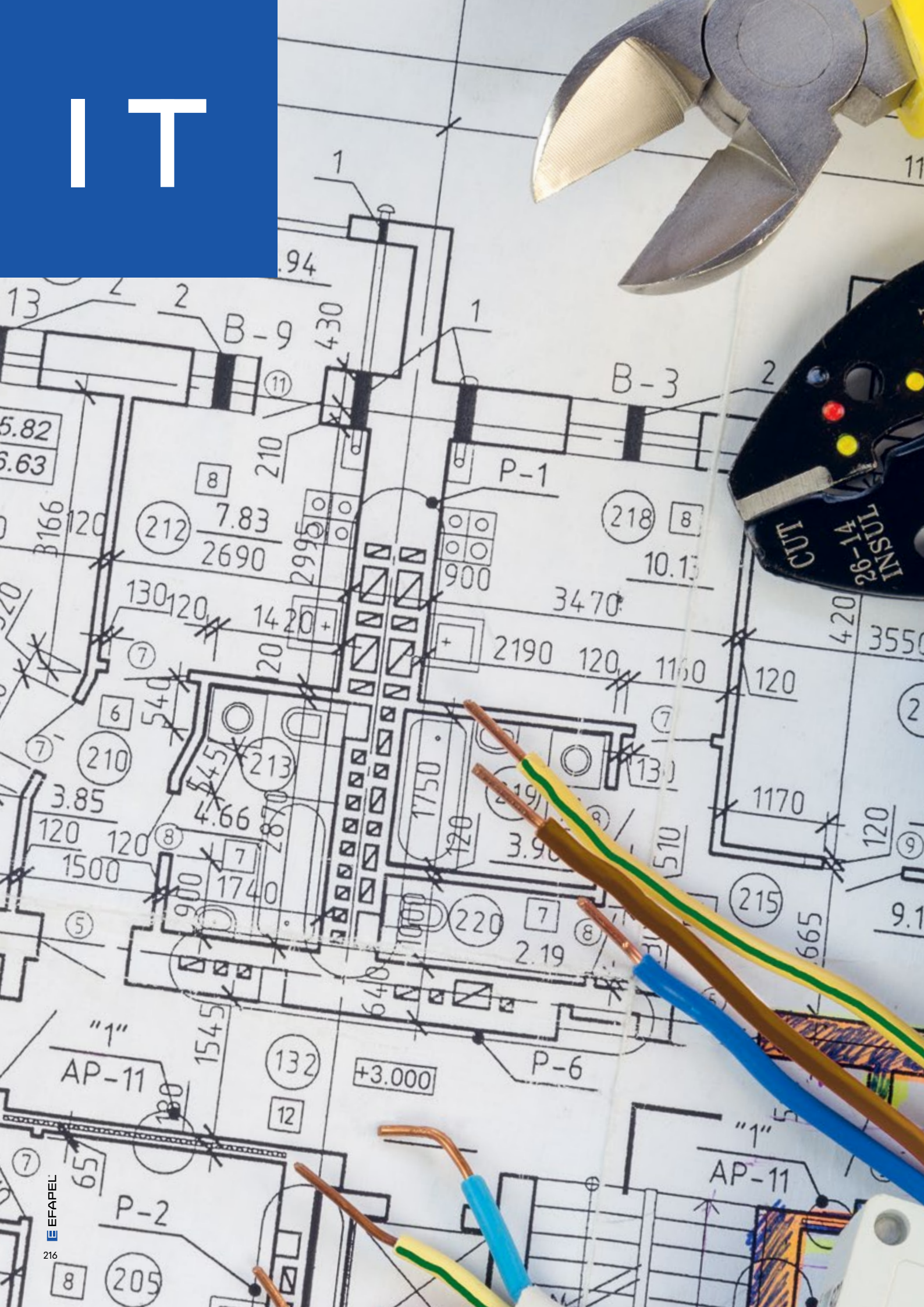


E27 Base Lamp-holder

200 W Max. - 250 V ~

81251

⊖ / PZK / PH1X - Screw Connection

The logo consists of the letters 'I' and 'T' in a bold, white, sans-serif font, centered on a solid blue background.



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Switches

Description



Single Mechanism for Flush Mounting Devices
Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

The IP44 Kit for mechanisms of **single rocker (Ref. 21981)** and **double rockers (Ref. 21982)** assures the **Protection Degree IP44** to the mechanisms of the MEC 21 Series.

Characteristics

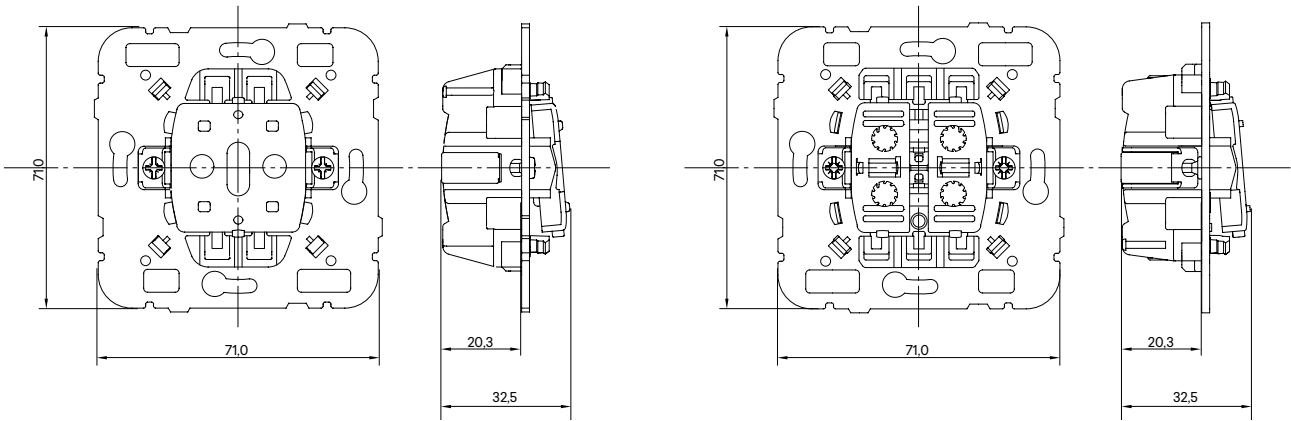
Mechanisms in Technical Thermoplastic - resistant material, non-conductive.

Control Devices
10 A - 250 V~
Connection by screws or screwless terminals. It allows the usage of rigid and flexible cable.
In accordance with IEC/EN 60669-1 Standard, tested according to 19.3:

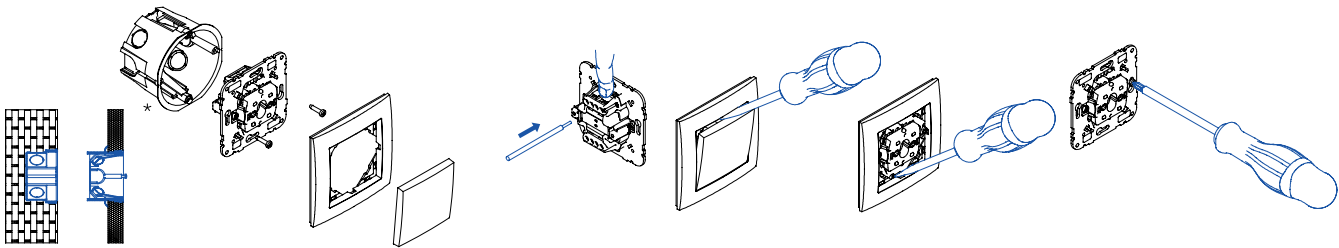
Relationship between rated current of the switch and rated power of the SBL circuit	
Rated current of the switch, In [A]	Rated power of the SBL circuit [W]
$I_n \leq 10$	100
$10 < I_n \leq 13$	150
$13 < I_n \leq 16$	200
$16 < I_n \leq 20$	250

SBL - Self Ballasted Lamp (CFL or LED)

Dimensions (mm)



Mounting



*Type I1

Energy Sockets

Description



Single Mechanism for Flush Mounting Devices

Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

Possibility of IP44 using the cover plate with hinged lid (Ref. XX634 TXX - Schuko) or (Ref. XX654 TXX - French) or the Waterproof Frame IP44 (Ref. XX961 TXX)

Characteristics

Mechanisms in Technical Thermoplastic - resistant material, non-conductive.

Energy Sockets

Schuko and French Sockets

16 A - 250 V~

Connection by screws or screwless terminals.

In accordance with IEC 60884-1; DIN VDE 0620-1 (Schuko) and NF C 61-314 (French) Standards

British Sockets

13 A - 250 V ~

With and without Pilot Lamp

In accordance with the BS 1363-2 Standard

Euro-USA Socket

15 A - 127 V ~ / 16 A - 250 V ~

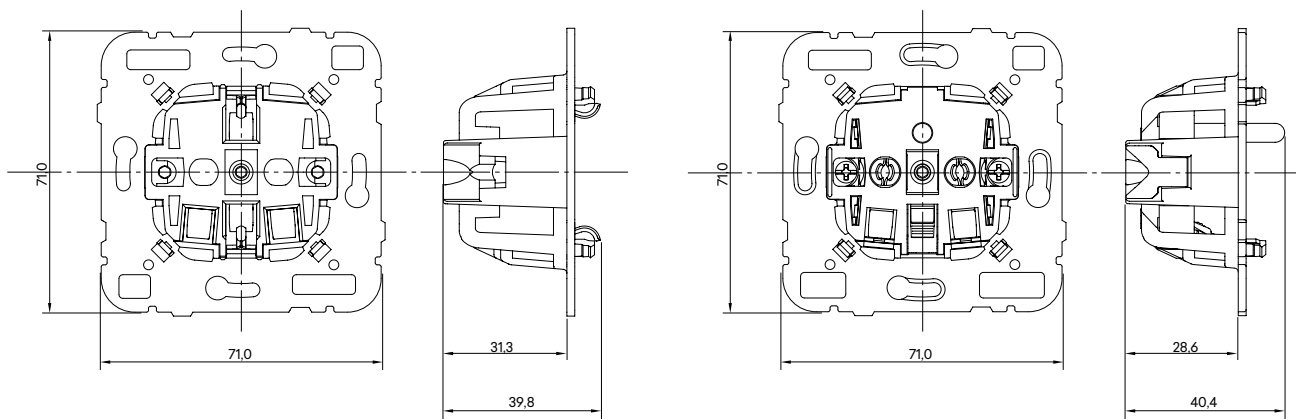
In accordance with ANSI; NEMA WD-6 (Figure 5-15) and IEC 60884-1 Standards

USA NEMA Socket

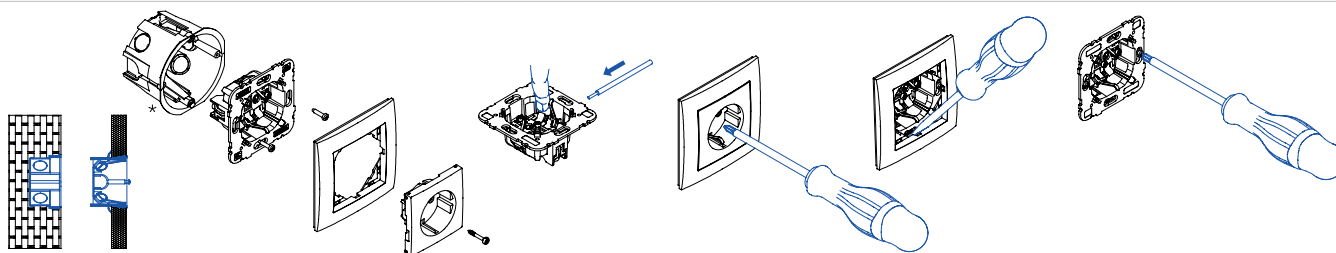
15 A - 127 V ~

In accordance with SASO 2204; NEMA WD-6 (Figure 5-15) Standard

Dimensions (mm)



Mounting



*Type I1

LOGUS⁹⁰

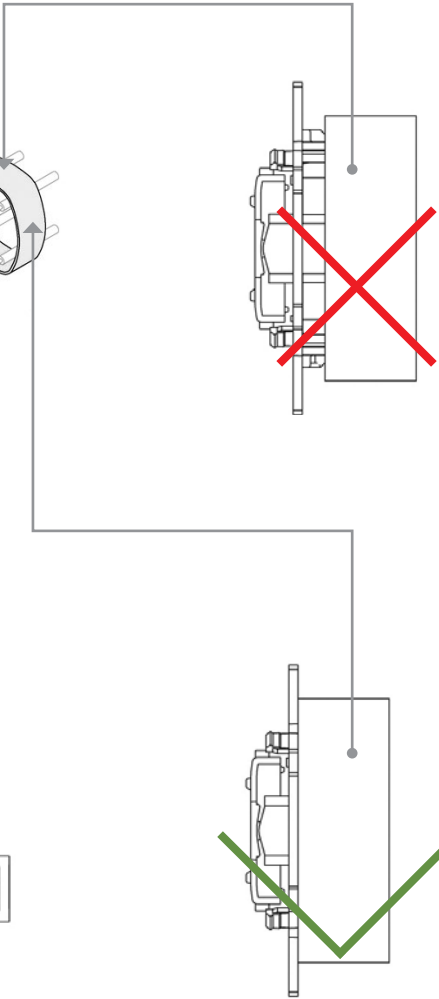
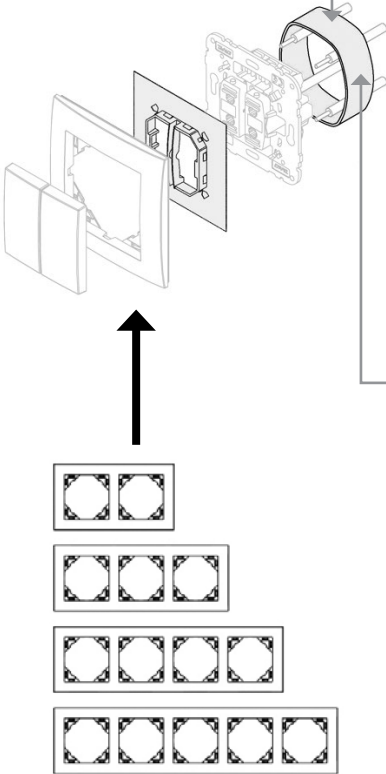
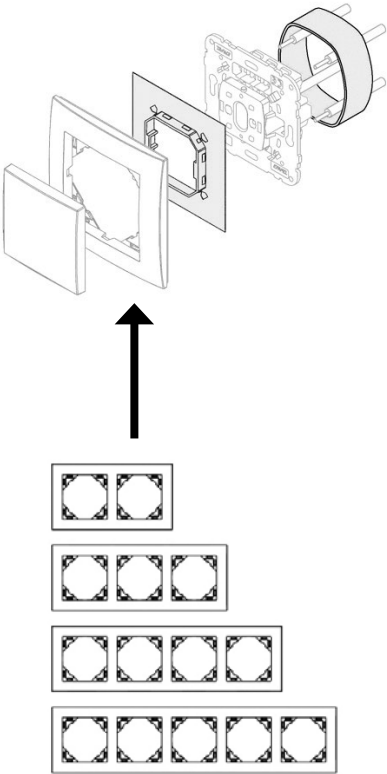
APOLO 5000

sirius70

Single Rockers
(Ref. 21981)

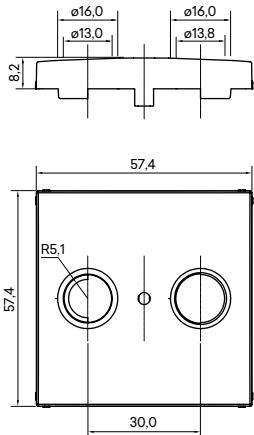
Double Rockers
(Ref. 21982)

Rubber Gasket

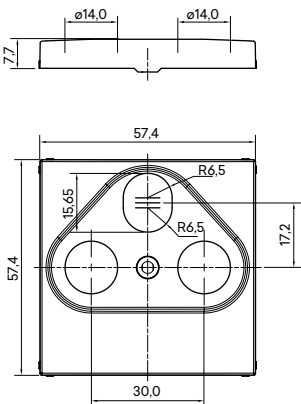


Cover Plate for R - TV Socket Multibrand - Dimensions (mm)

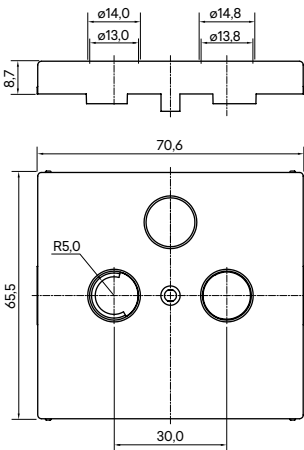
Ref. 90685 T | 90686 T



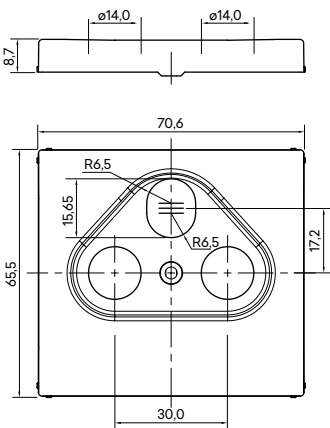
Ref. 90680 T



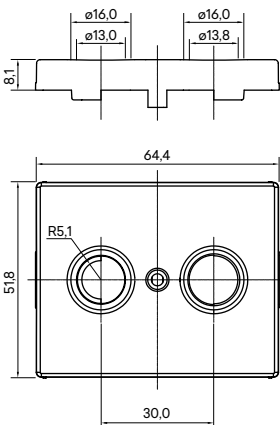
Ref. 50685 T | 50686 T



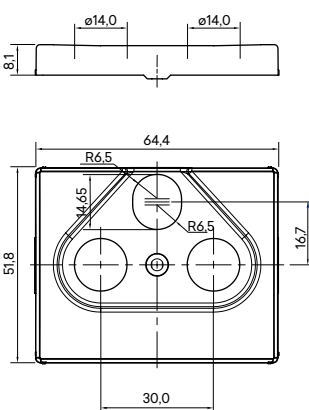
Ref. 50680 T



Ref. 70685 T | 70686 T

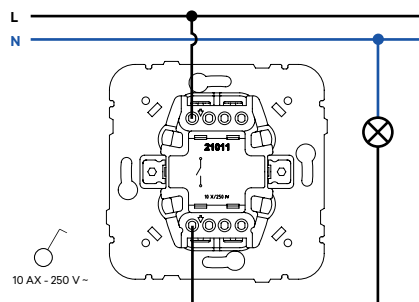


Ref. 70680 T

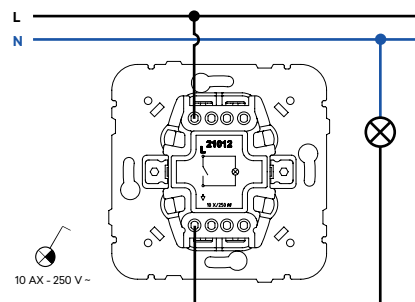


Wiring Diagrams

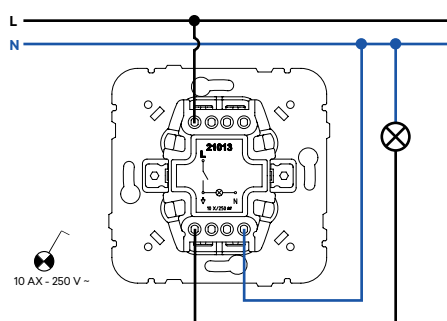
Single Pole Switch



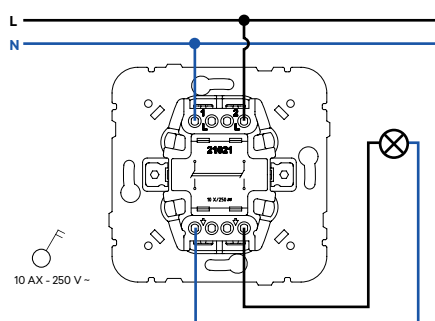
Single Pole Switch with Orienting Light



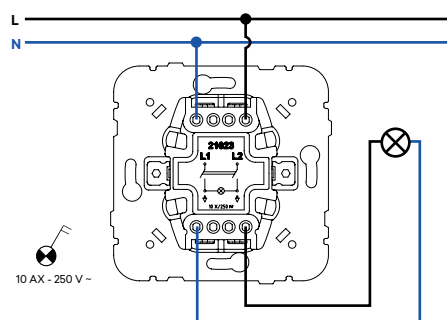
Single Pole Switch with Pilot Lamp



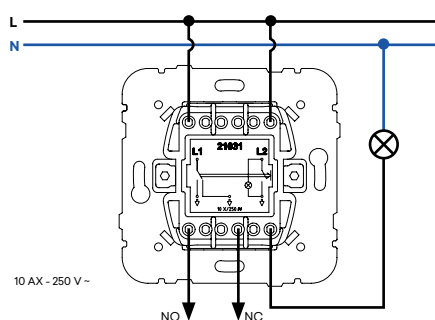
Two-pole Switch



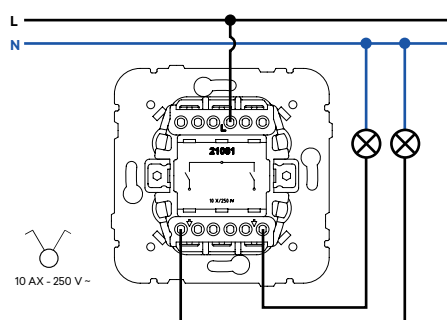
Two-pole Switch with Pilot Lamp



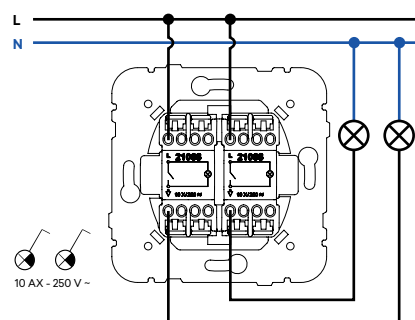
Card-system Switch



Two Circuits Switch

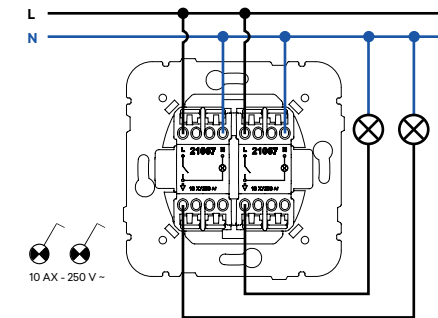


Two Circuits Switch with Pilot Lamp

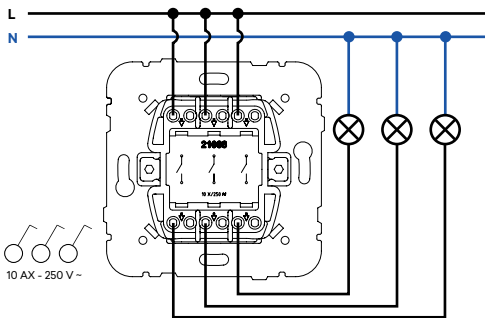


Wiring Diagrams

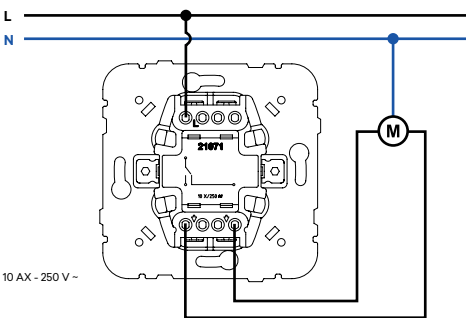
Two Circuits Switch with Pilot Lamp



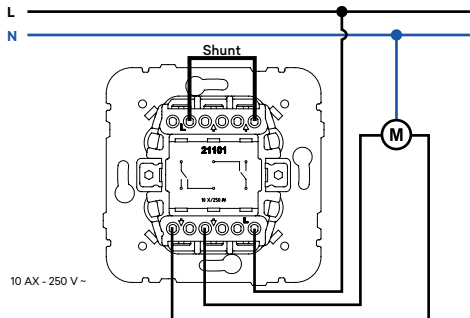
Three Circuits Switch



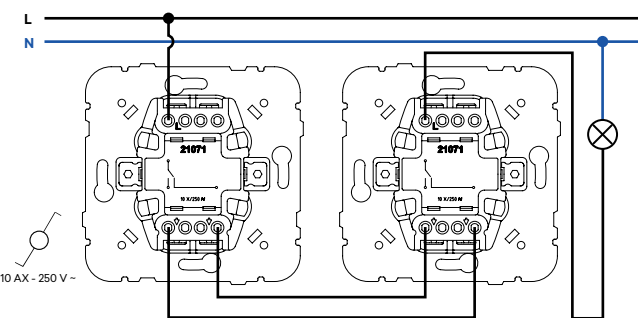
Two-way Switch VMC/FAN - 2 Speeds



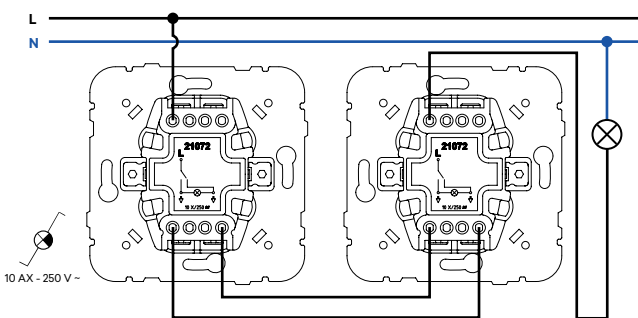
Two-way Switch VMC/FAN ON/OFF - 2 Speeds



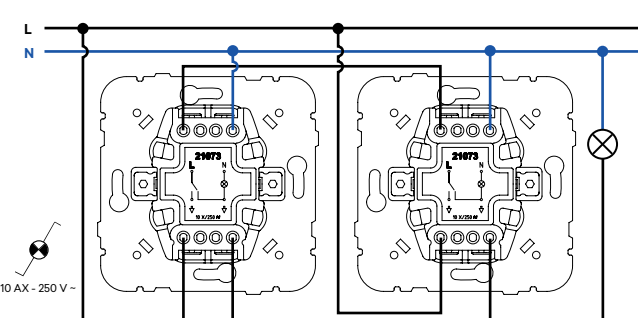
Two-way Switch



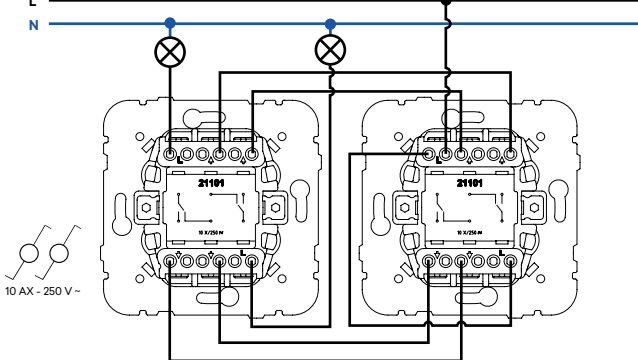
Two-way Switch with Orienting Light



Two-way Switch with Pilot Lamp

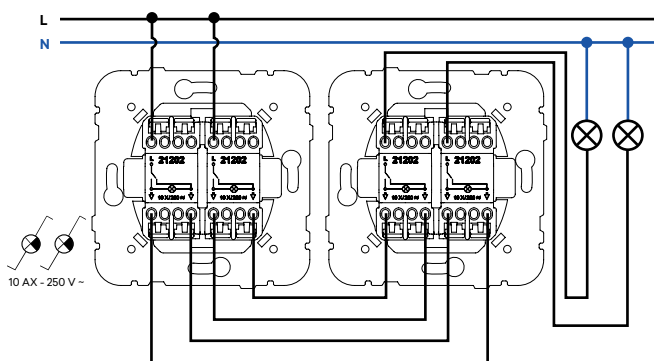


Double Two-way Switch

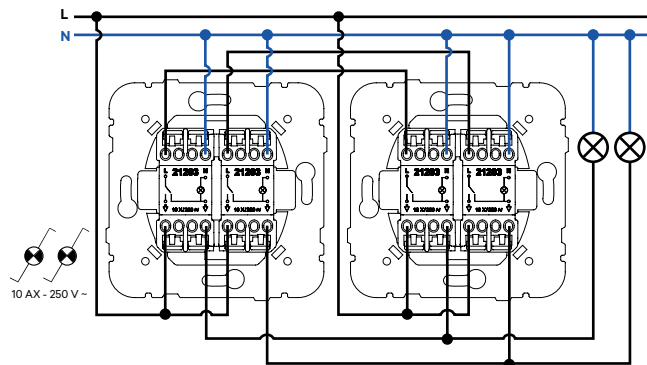


Wiring Diagrams

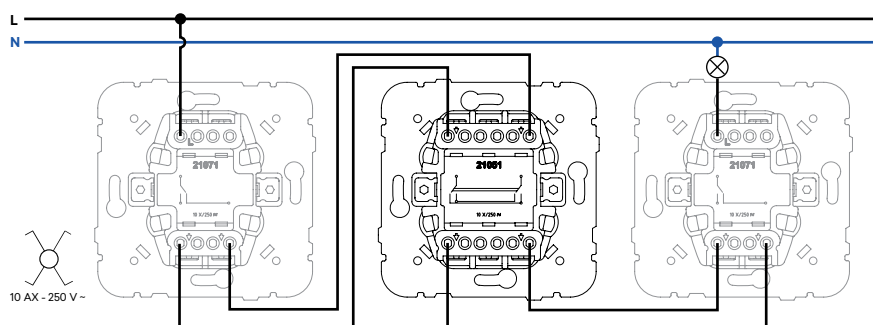
Double Two-way Switch with Orienting Light



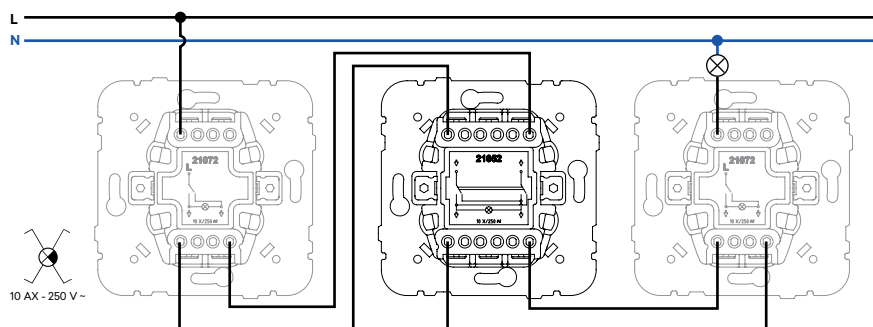
Double Two-way Switch with Pilot Lamp



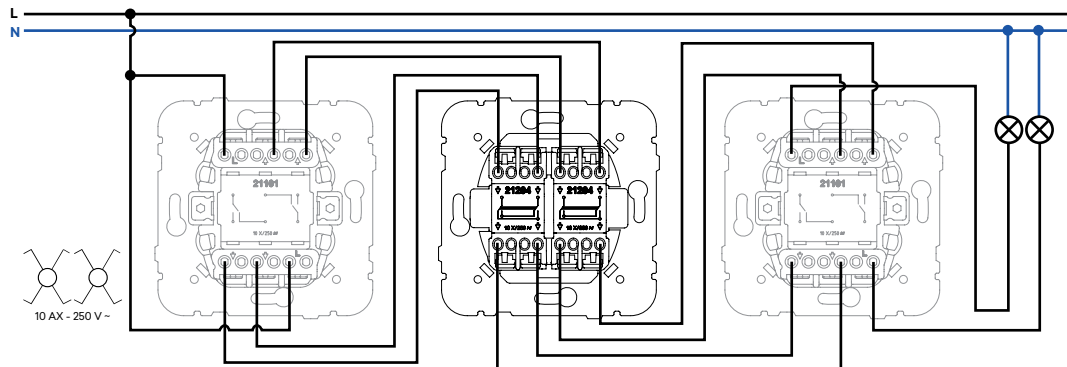
Intermediate Switch



Intermediate Switch with Orienting Light

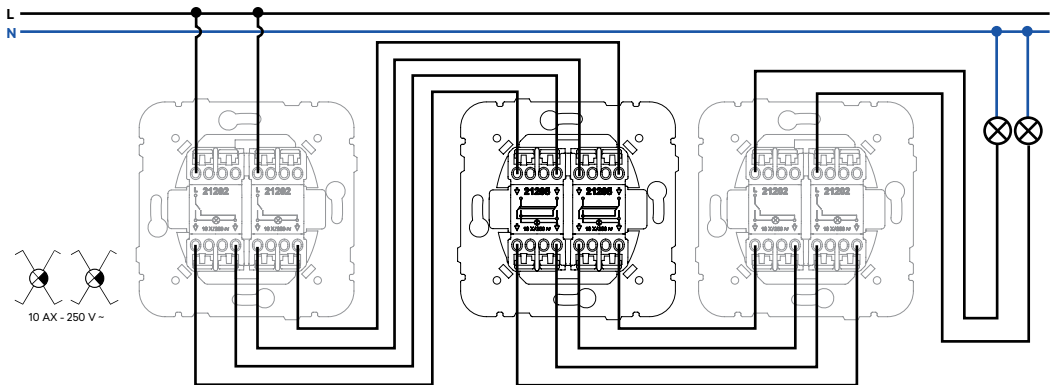


Double Intermediate Switch

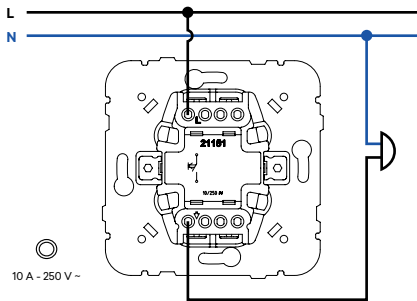


Wiring Diagrams

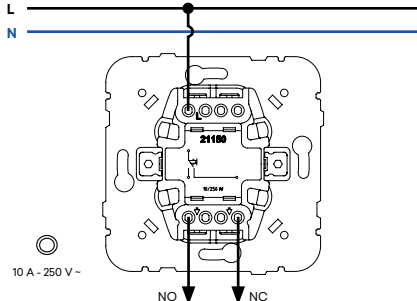
Double Intermediate Switch with Orienting Light



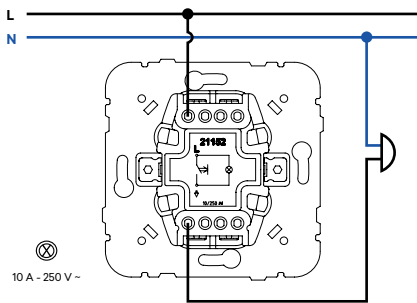
Rocker Push-button



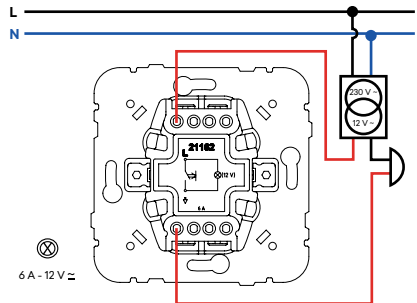
Rocker Push-button (NO + NC)



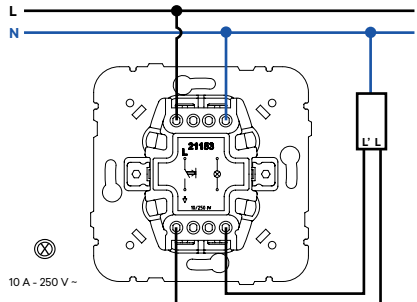
Rocker Push-button with Orienting Light 250 V ~



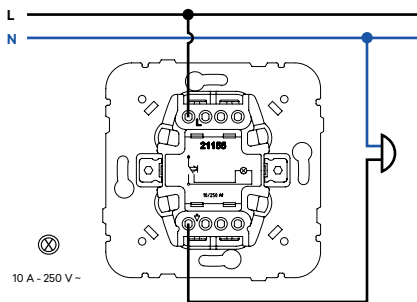
Rocker Push-button with Orienting Light 12 V ~



Rocker Push-button with Independent Pilot Lamp

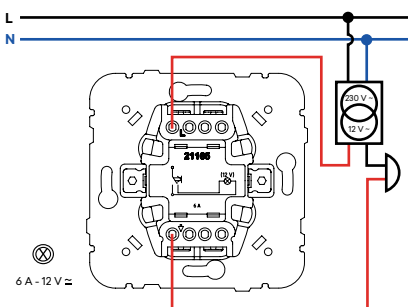


Rocker Push-button with Identification 250 V ~

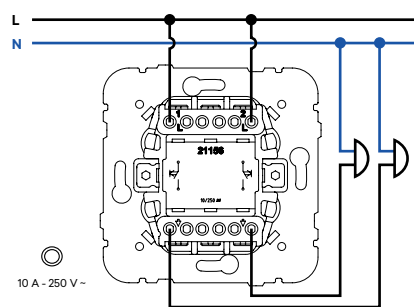


Wiring Diagrams

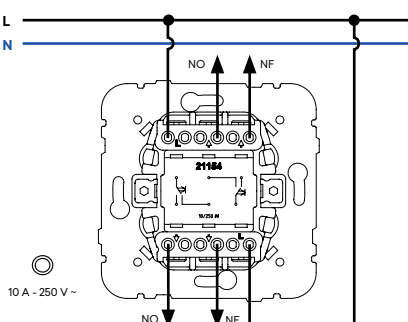
Rocker Push-button with Identification 12 V ~



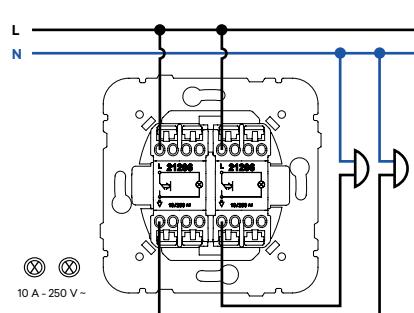
Double Rocker Push-button



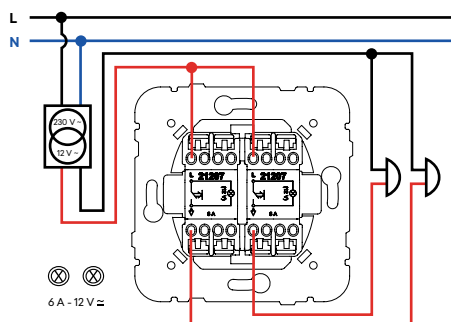
Double Rocker Push-button (2 NO + 2 NC)



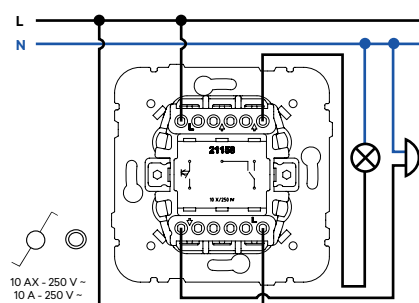
Double Rocker Push-button with Orienting Light 250 V ~



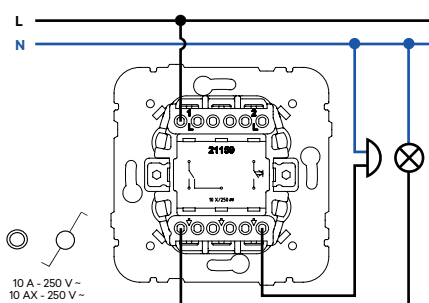
Double Rocker Push-button with Orienting Light 12 V ~



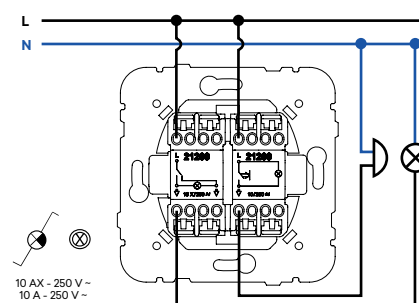
Two-way Switch | Rocker Push-button



Rocker Push-button | Two-way Switch

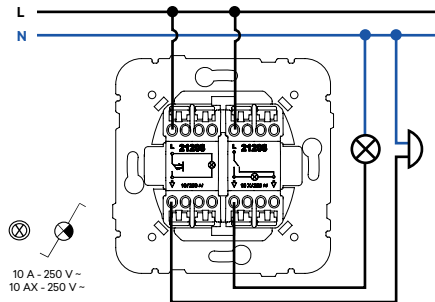


Two-way Switch with Orienting Light | Rocker Push-button with Orienting Light

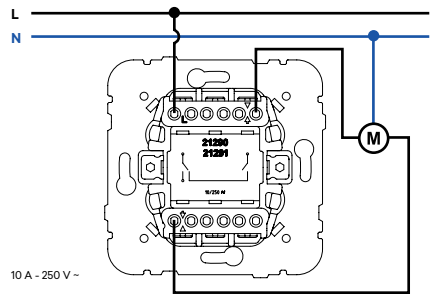


Wiring Diagrams

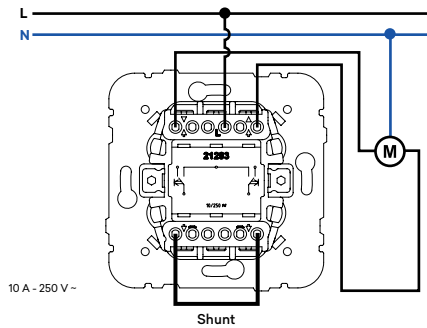
Rocker Push-button with Orienting Light | Two-way Switch with Orienting Light



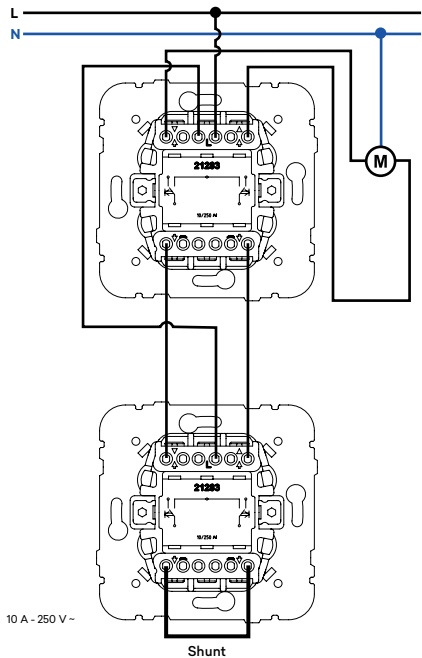
Venetian Switch | Venetian Switch with Mechanical Blockage



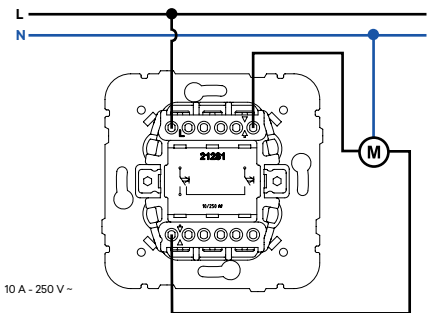
Venetian Double Push-button for Multiple Points Blinds Control (Control for 1 point)



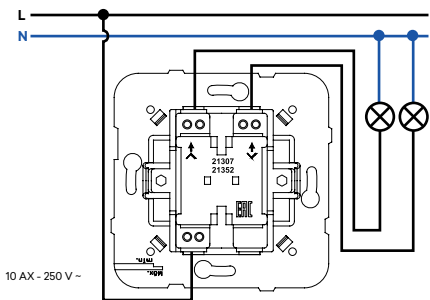
Venetian Double Push-button for Multiple Points Blinds Control (Control from 2 or several points)



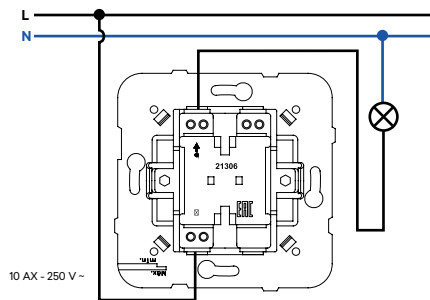
Venetian Double Push-button



Rotary Two-way Switch | Key Lock Two-way Switch

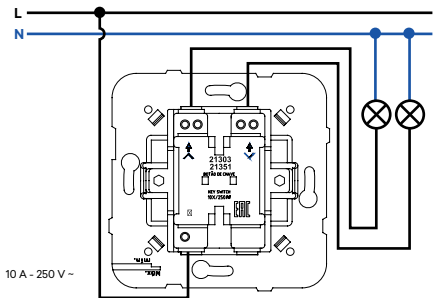


Rotary Switch

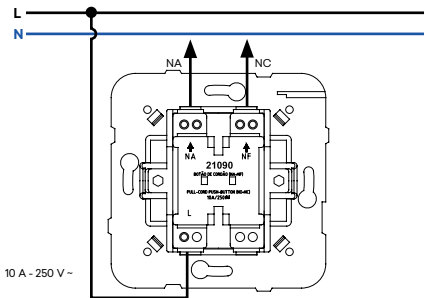


Wiring Diagrams

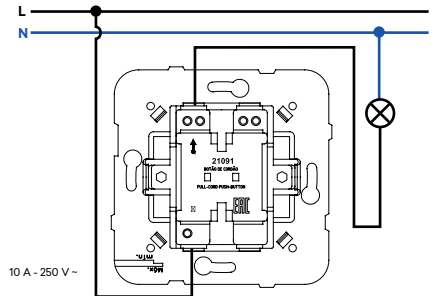
Rotary Push-button | Key Lock Push-button



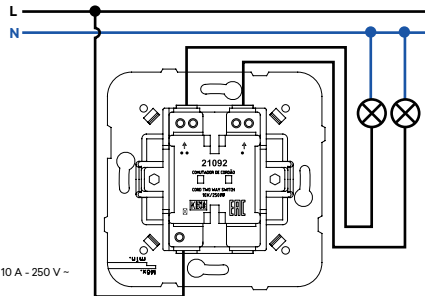
Pull-cord Push-button (NO + NC)



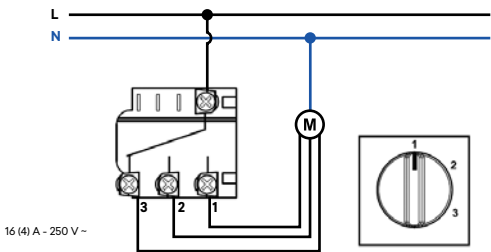
Pull-cord Push-button



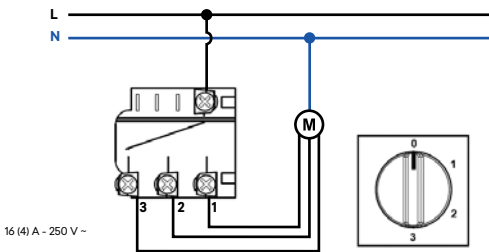
Pull-cord Two-way Switch



Rotary Switch 3 Positions



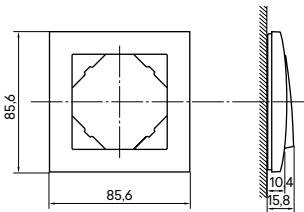
Rotary Switch 4 Positions



Frames - Dimensions (mm)

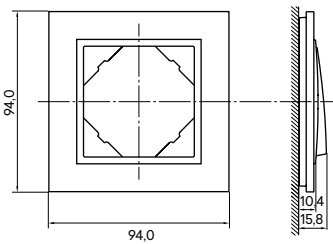
Standard | Aquarella

Ref. 90910 T - Single

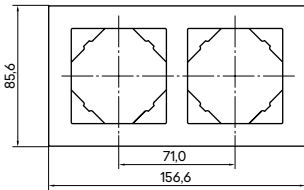


Animato | Crystal | Metallo | Arbore | Petra

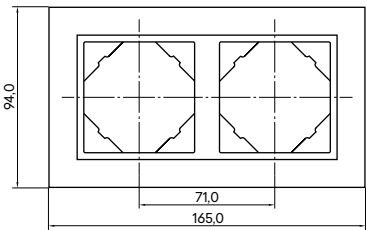
Ref. 90910 T - Single



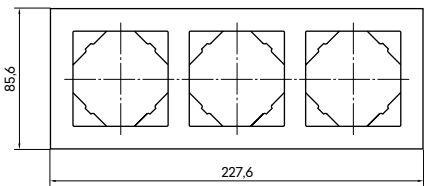
Ref. 90920 T - Double



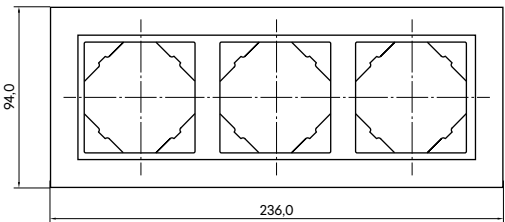
Ref. 90920 T - Double



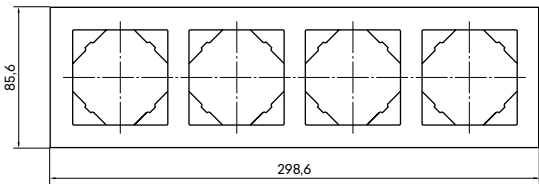
Ref. 90930 T - Triple



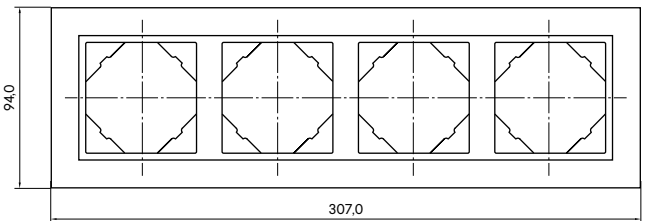
Ref. 90930 T - Triple



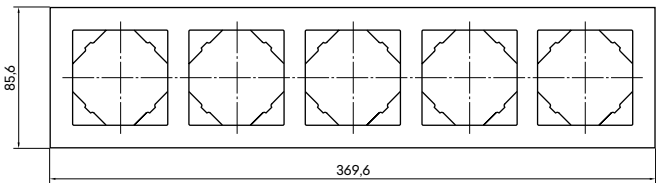
Ref. 90940 T - Four-Gang



Ref. 90940 T - Four-Gang



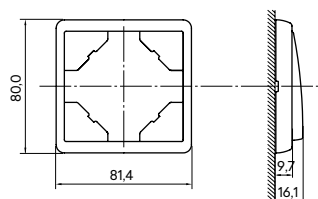
Ref. 90950 T - Five-Gang



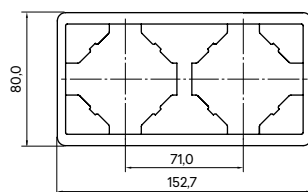
Frames - Dimensions (mm)

Standard | Matte | Metal

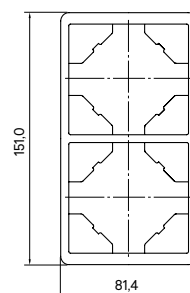
Ref. 50910 T - Single



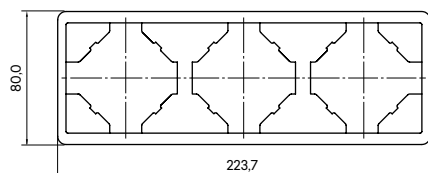
Ref. 50921 T - Double Horizontal



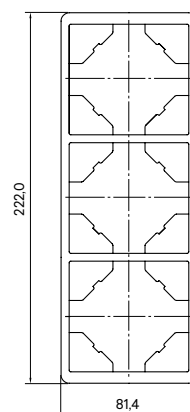
Ref. 50922 T - Double Vertical



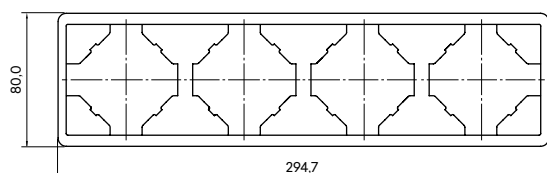
Ref. 50931 T - Triple Horizontal



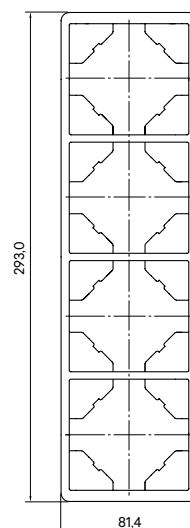
Ref. 50932 T - Triple Vertical



Ref. 50941 T - Four-Gang Horizontal



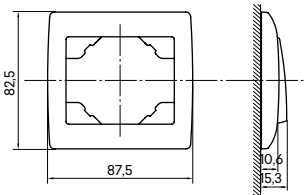
Ref. 50942 T - Four-Gang Vertical



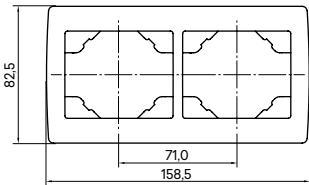
Frames - Dimensions (mm)

Classic

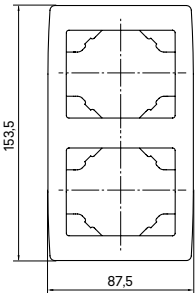
Ref. 70910 T - Single



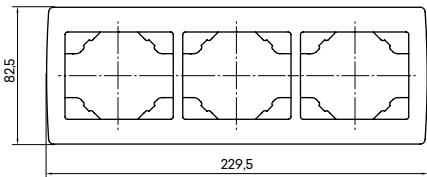
Ref. 70921 T - Double Horizontal



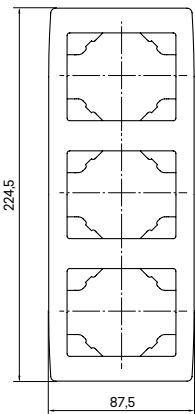
Ref. 70922 T - Double Vertical



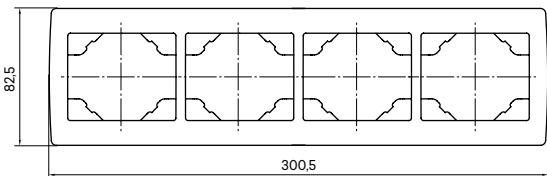
Ref. 70931 T - Triple Horizontal



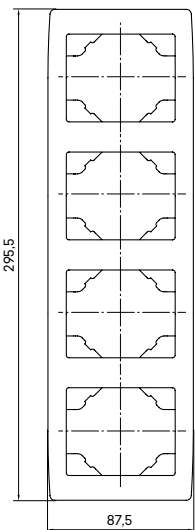
Ref. 70932 T - Triple Vertical



Ref. 70941 T - Four-Gang Horizontal



Ref. 70942 T - Four-Gang Vertical



Switches

Description



MEC Q45 Mechanisms
Finishings - **QUADRA** | **SIZA** | **LATINA**

Possibility of installation:
Flush mounting (Installation in Flush Mounting Boxes);
Surface mounting (Installation in Surface Mounting Boxes);
Cable trunkings:
Mini Cable Trunkings (Add of the Surface Mounting Box with adptation to the Cable Trunking);
Distribution Cable Trunkings (Add of the **MEC Q45** Modular Adapter).
Available in colors **BR** - White (RAL 9003), **BM** - Matte White, **AL** - Aluminium, **PM** - Matte Black.

Characteristics

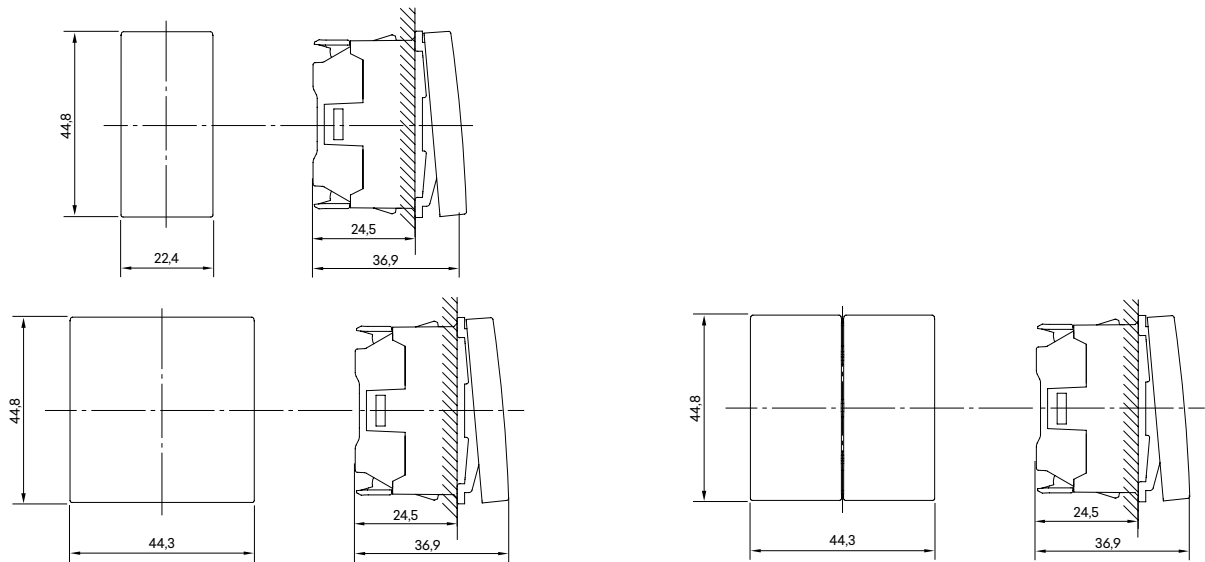
Mechanisms in Technical Thermoplastic - resistant material, non-conductive.

Control Devices
10 A - 250 V~
Connection by screws or screwless terminals. It allows the usage of rigid and flexible cable.
In accordance with IEC/EN 60669-1 Standard, tested according to 19.3:

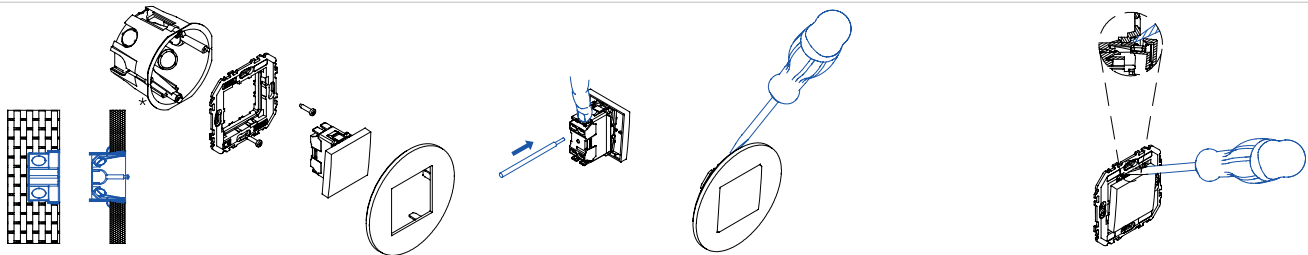
Relationship between rated current of the switch and rated power of the SBL circuit	
Rated current of the switch, In [A]	Rated power of the SBL circuit [W]
$I_n \leq 10$	100
$10 < I_n \leq 13$	150
$13 < I_n \leq 16$	200
$16 < I_n \leq 20$	250

SBL - Self Ballasted Lamp (CFL or LED)

Dimensions (mm)



Mounting



*Type II

Energy Sockets

Description



MEC Q45 Mechanisms

Possibility of installation:

Flush mounting (Installation in Flush Mounting Boxes);

Surface mounting (Installation in Surface Mounting Boxes);

Cable trunkings:

Mini Cable Trunkings (Add the Surface Mounting Box with adaptation to the Cable Trunking);

Distribution Cable Trunkings (Add the **MEC Q45** Modular Adapter).

Available in colors **BR** - White (RAL 9003), **BM** - Matte White, **AL** - Aluminium, **PM** - Matte Black, **VM** - Red, **LR** - Orange, **VD** - Green.

Characteristics

Mechanisms in Technical Thermoplastic - resistant material, non-conductive.

Energy Sockets

Schuko and French Sockets

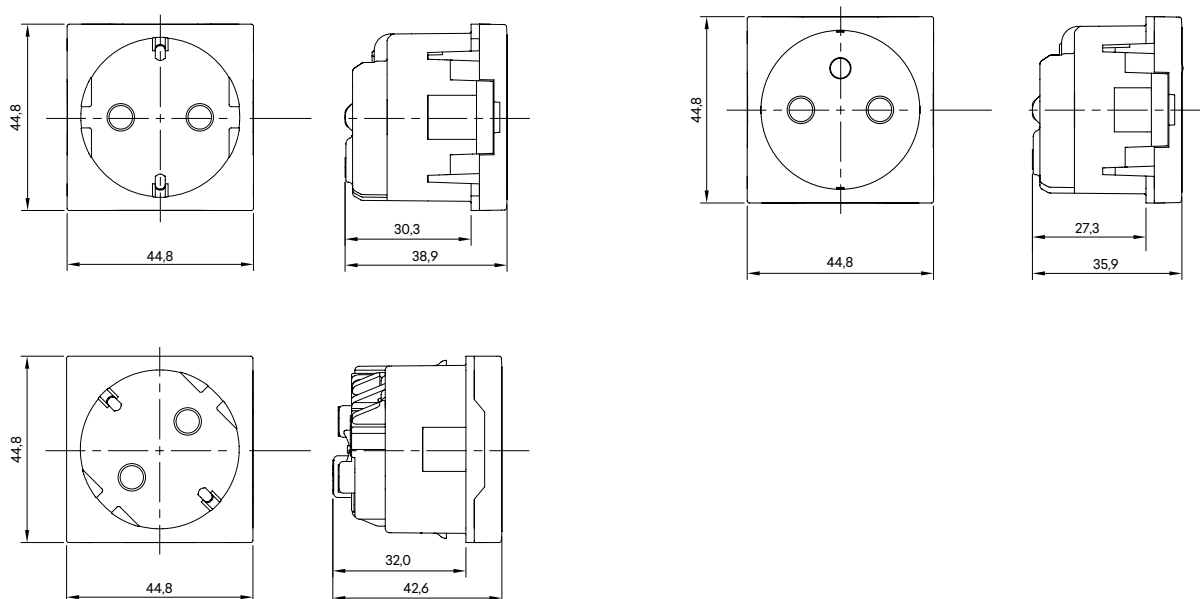
16 A - 250 V~

Connection by screws or screwless terminals

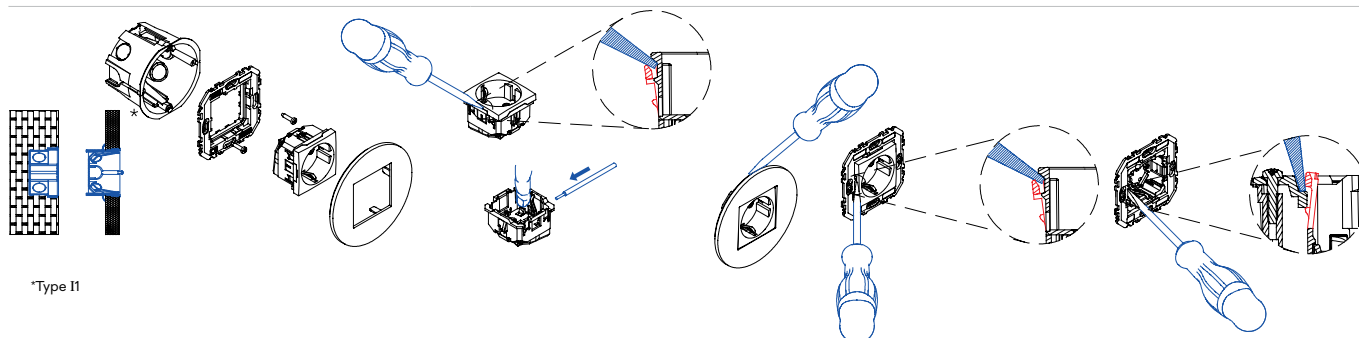
It allows the usage of rigid and flexible cable

In accordance with IEC 60884-1; DIN VDE 0620-1 (Schuko) and NF C 61-314 (French) Standards

Dimensions (mm)



Mounting



*Type I1

Energy Sockets

Description



MEC Q45 Mechanisms of 1, 2 and 3 Modules

Possibility of installation:

Flush mounting (Installation in Flush Mounting Boxes)

Surface mounting (Installation in Surface Mounting Boxes)

Cable trunkings:

Mini Cable Trunkings (Add the Surface Mounting Box with adaptation to the Cable Trunking)

Distribution Cable Trunkings (Add the **MEC Q45** Modular Adapter)

Available in colors **BR** - White (RAL 9003), **BM** - Matte White, **AL** - Aluminium, **PM** - Matte Black, **VM** - Red.

Characteristics

Mechanisms in Technical Thermoplastic - resistant material, non-conductive.

Energy Sockets

Euro-USA Socket

15 A - 127 V ~ / 16 A - 250 V ~

In accordance with ANSI; NEMA WD-6 (Figure 5-15) and IEC 60884-1 Standards

USA NEMA Socket

15 A - 127 V ~

In accordance with SASO 2204; NEMA WD-6 (Figure 5-15) Standard

Double American Socket

15 A - 127 V ~

In accordance with SASO 2204; NEMA WD-6 (Figure 5-15) Standard

Italian Sockets

10 A - 16 A - 10 A / 16 A - 250 V ~

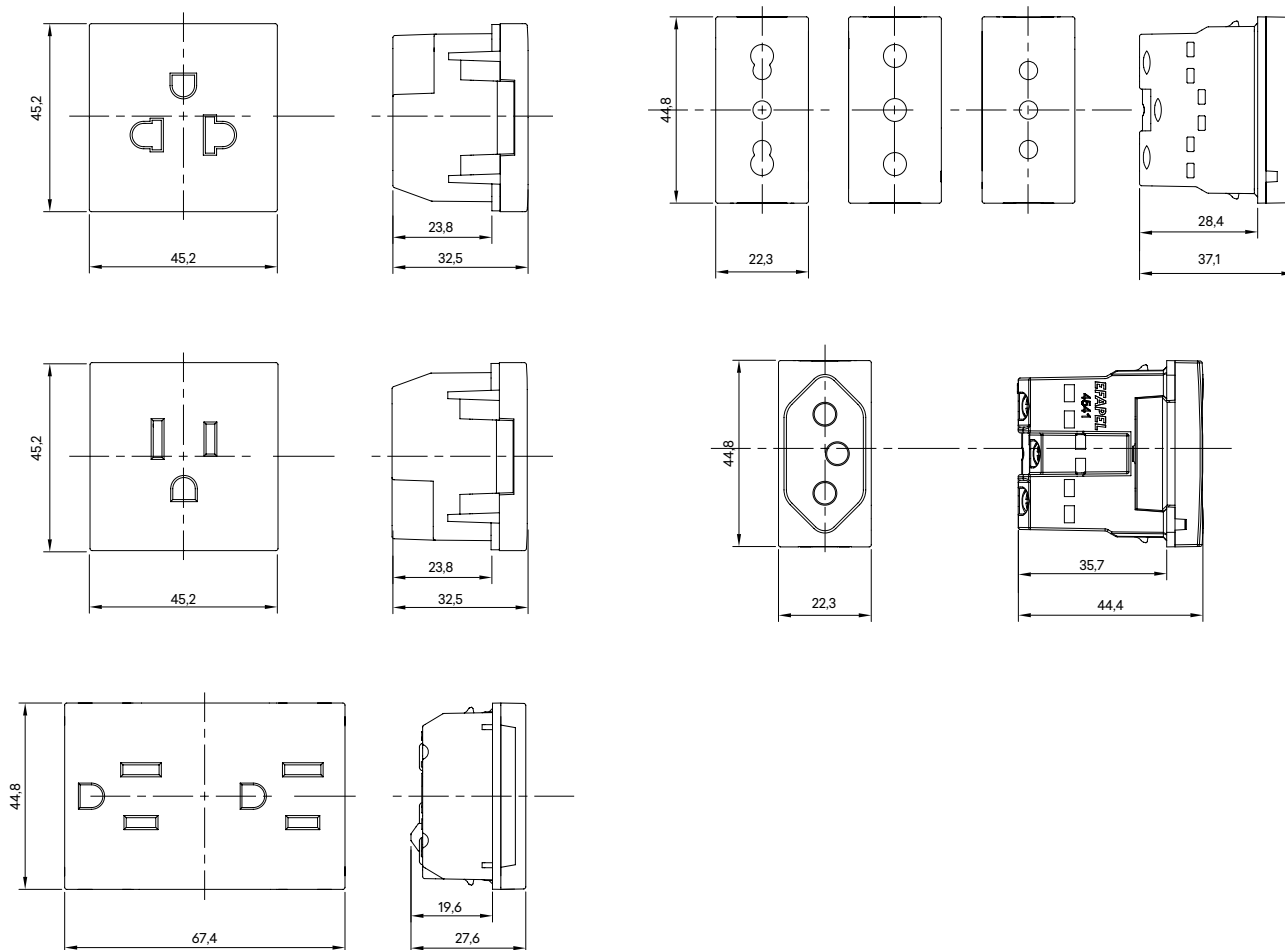
In accordance with IEC 60884-1 (CEI 23-50) Standard.

Brazilian Sockets

10 A - 20 A - 250 V ~

In accordance with IEC 60884-1 (ABNT NBR 14136) Standard.

Dimensions (mm)



Double American GFCI Socket 2P + T 125 V 20 A/15 A GFCI

Description



MEC Q45 Mechanisms

Ref. 41148 X - USA Standard 20 A Socket with safety and ground fault circuit interruptor.
Ref. 41149 X - USA Standard 15 A Socket with safety and ground fault circuit interruptor.

Possibility of installation:

- Flush mounting** (Installation in 3 Modules Flush Mounting Boxes)
- Surface mounting** (Installation in 3 Modules Surface Mounting Box)
- Cable trunkings:**
Mini Cable Trunkings (Add the 3 Modules Surface Mounting Box).

Available in colors **BL** - White, **NG** - Black



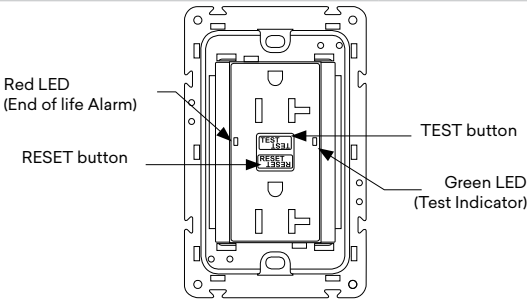
Characteristics

Voltage: **125 V ~ - 60 Hz**
Current: **20 A / 15 A**
Tripping current: **5±1 mA**
Tripping time: **0,025 seconds**
Breaking capacity: **10 kA / 6 kV**
Operation temperature: **-35 °C to +65 °C**
Class A in accordance UL943-2006 Standard
ANSI/NEMA: 5-20R, WD6

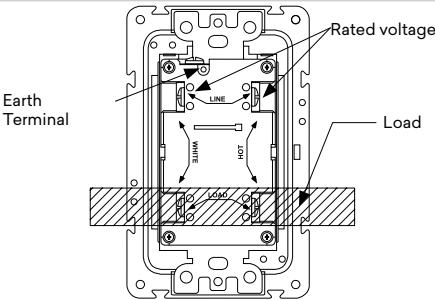
Operation

Green LED ON - Operation OK
Red LED BLINKING - Carrying out differential protection SELF TEST, carried out every 1-10 minutes
Red LED ON - ALARM on / End of Life (no differential protection / ground protection verification / replace GFCI)

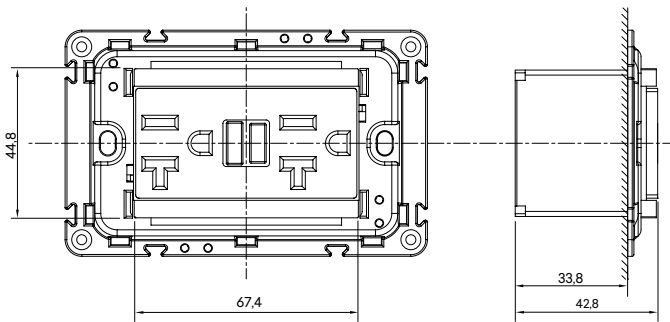
Front View



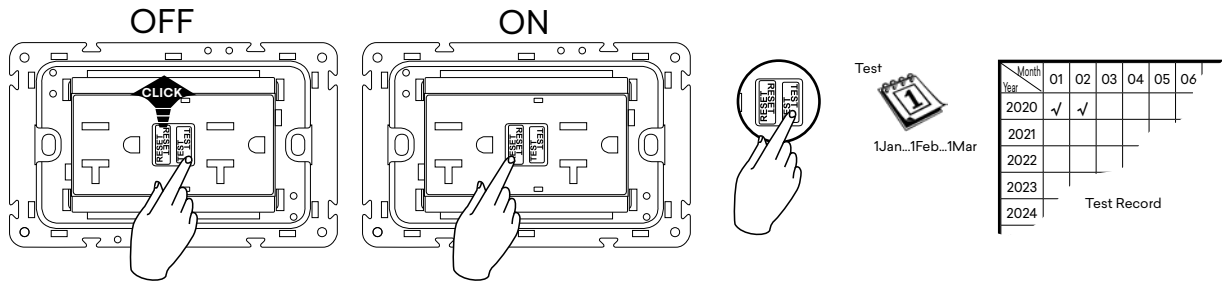
Rear View



Dimensions (mm)

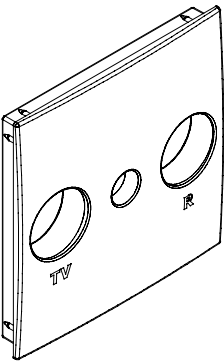


Monthly Procedure Test

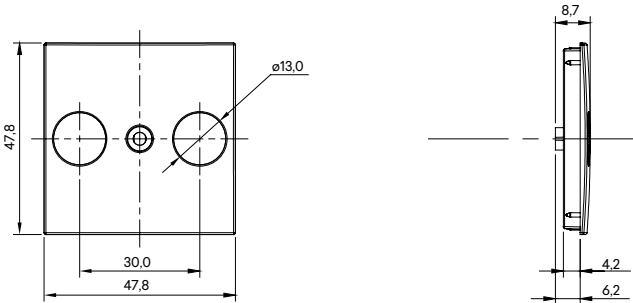
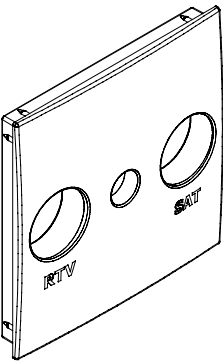


Cover Plate for R - TV Socket Multibrand - Dimensions (mm)

Ref. 45685 T

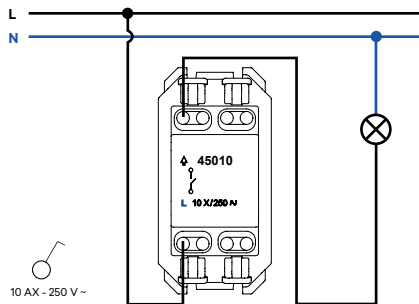


Ref. 45686 T

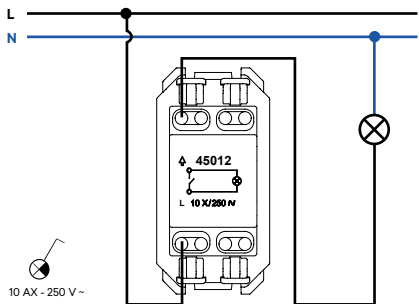


Wiring Diagrams

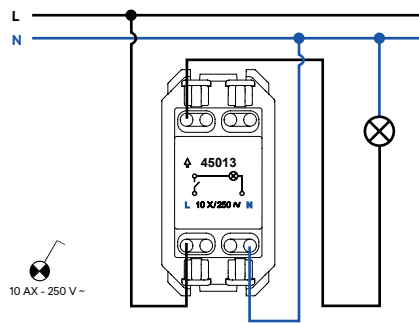
Single Pole Switch



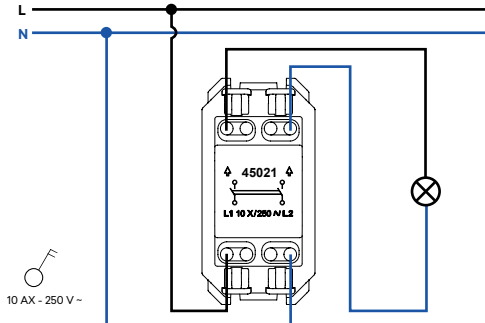
Single Pole Switch with Orienting Light



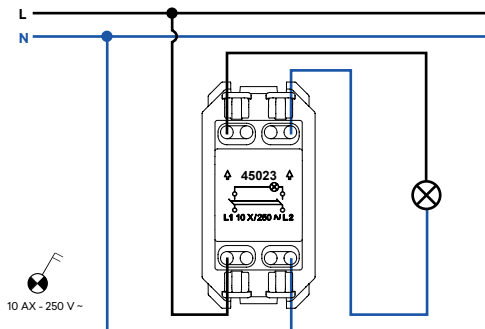
Single Pole Switch with Pilot Lamp



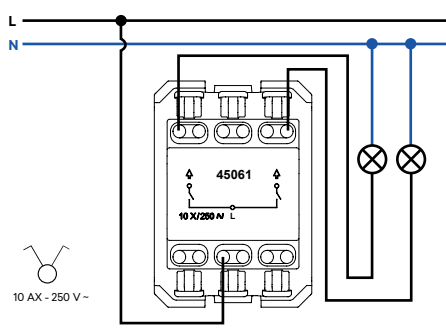
Two-pole Switch



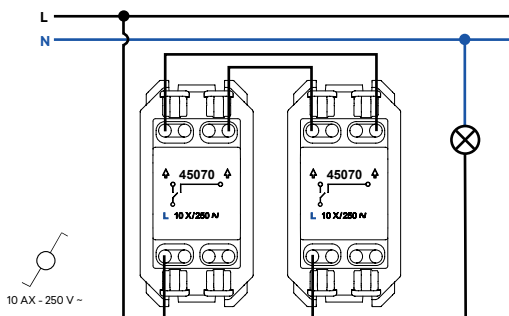
Two-pole Switch with Pilot Lamp



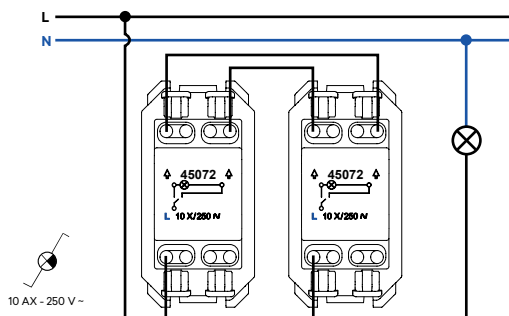
Two Circuits Switch



Two-way Switch

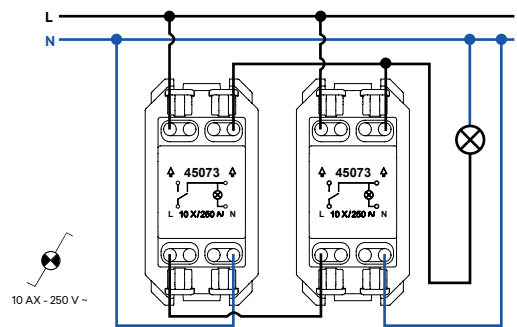


Two-way Switch with Orienting Light

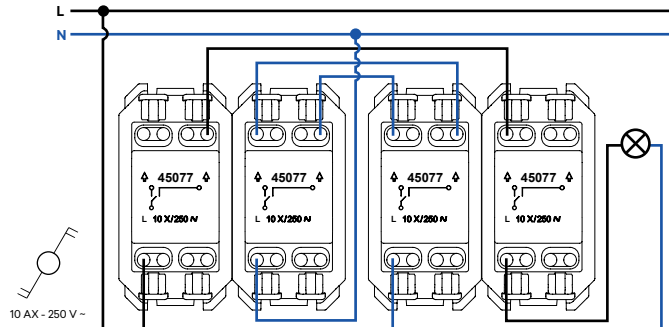


Wiring Diagrams

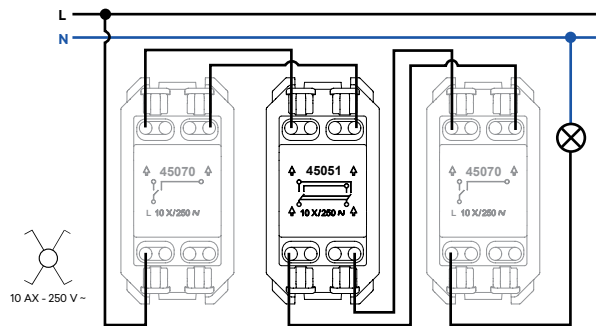
Two-way Switch with Pilot Lamp



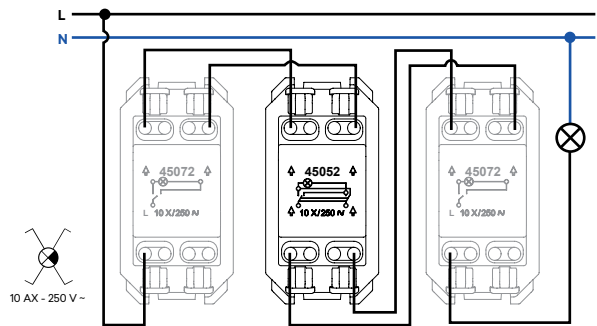
Two-pole Two-way Switch



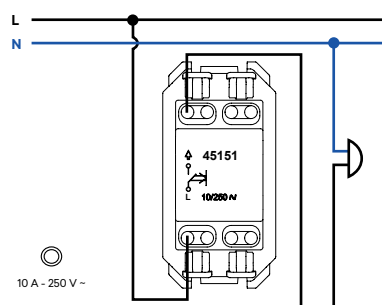
Intermediate Switch



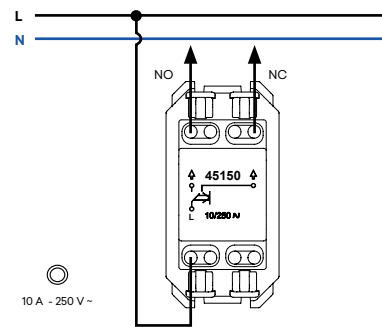
Intermediate Switch with Orienting Light



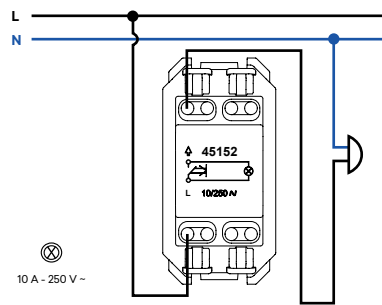
Rocker Push-button



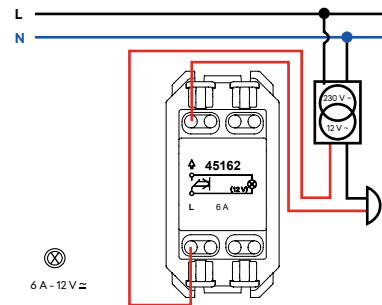
Rocker Push-button (NO + NC)



Rocker Push-button with Orienting Light 250 V ~

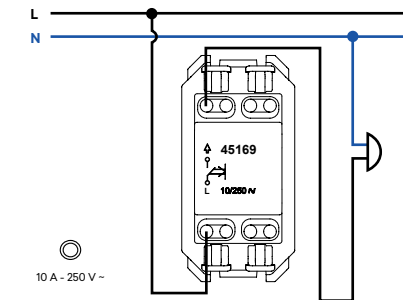


Rocker Push-button with Orienting Light 12 V ~

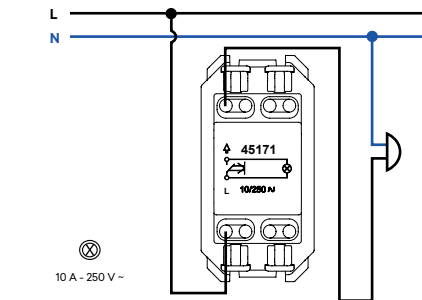


Wiring Diagrams

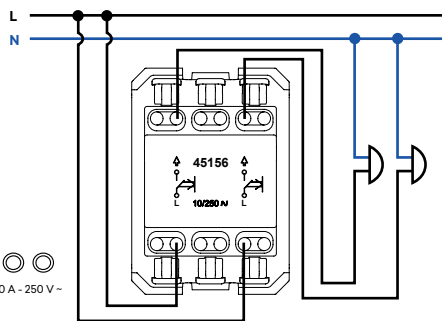
Rocker Push-button with Symbol



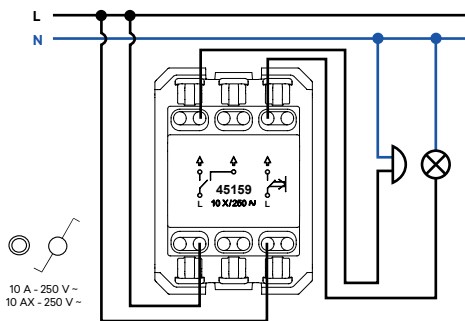
Rocker Push-button with Orienting Light with Symbol



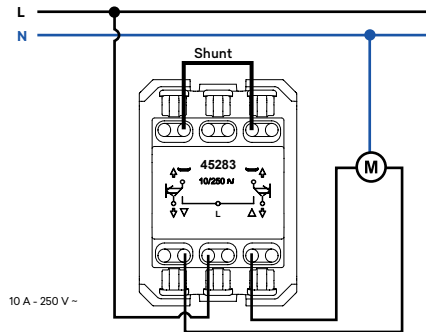
Double Rocker Push-button



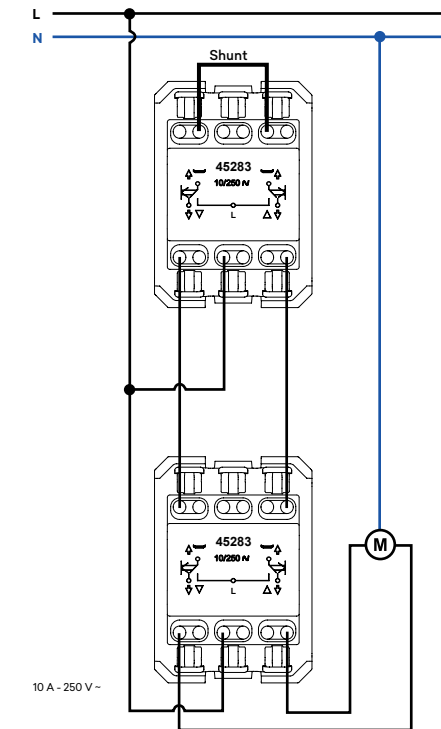
Rocker Push-button / Two-way Switch



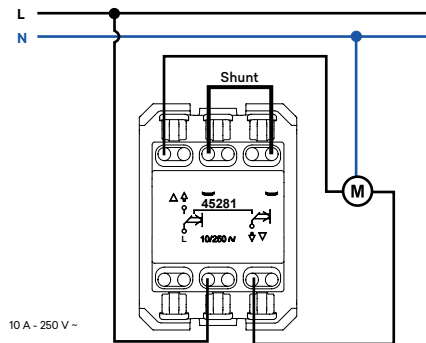
Venetian Double Push-button for Multiple Points Blinds Control (Control for 1 point)



Venetian Double Push-button for Multiple Points Blinds Control (Control from 2 or several points)

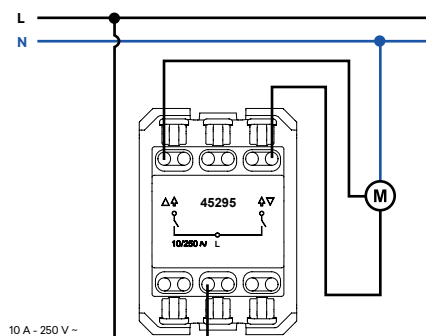


Venetian Double Push-button

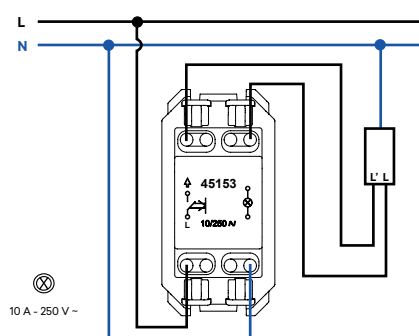


Wiring Diagrams

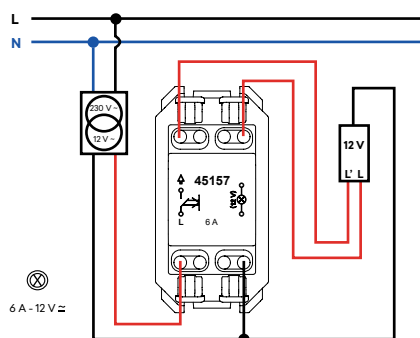
Venetian Switch with Mechanical Blockage



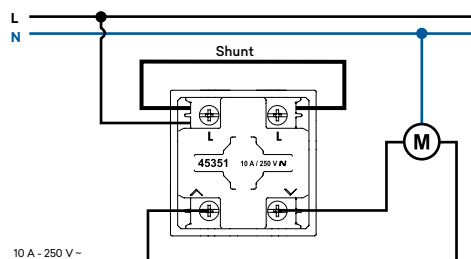
Rocker Push-button with Independent Pilot Lamp de 250 V ~



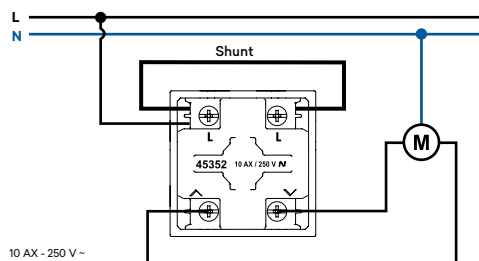
Rocker Push-button with Independent Pilot Lamp de 12 V =



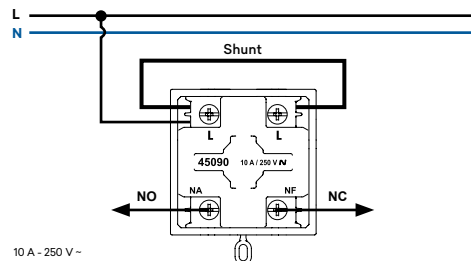
Key Lock Push-button



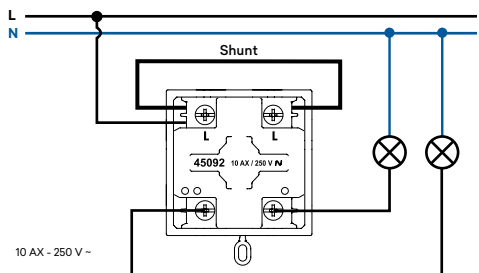
Key Lock Two-way Switch



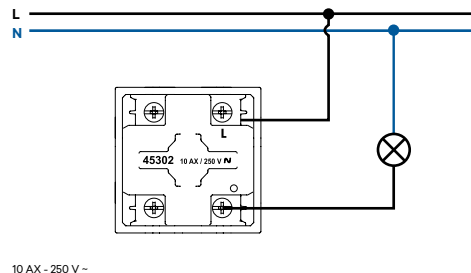
Pull-cord Push-button



Pull-cord Two-way Switch

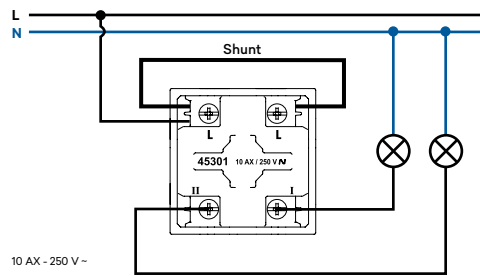


Rotary Switch

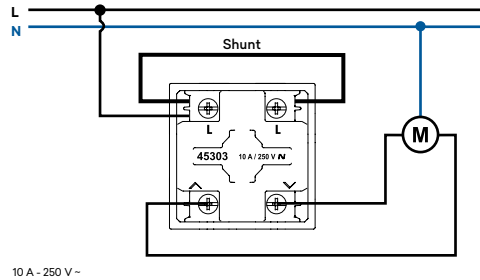


Wiring Diagrams

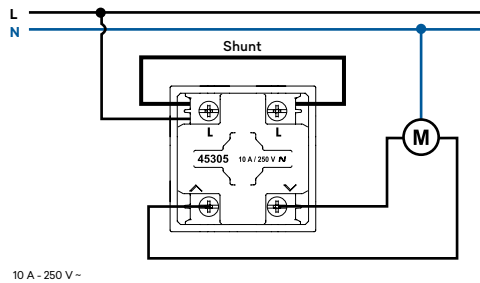
Rotary Two-way Switch



Rotary Push-button

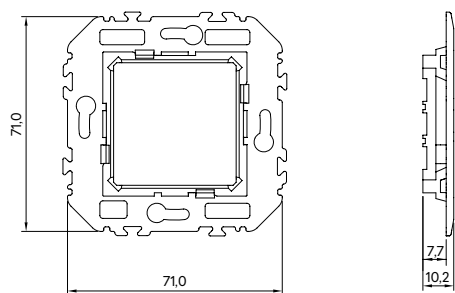


Rotary Two-way Switch of Blinds

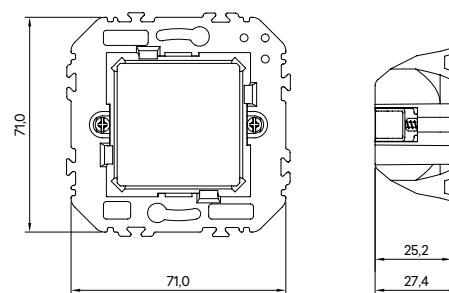


Frames and Fixing Adapters - Dimensions (mm)

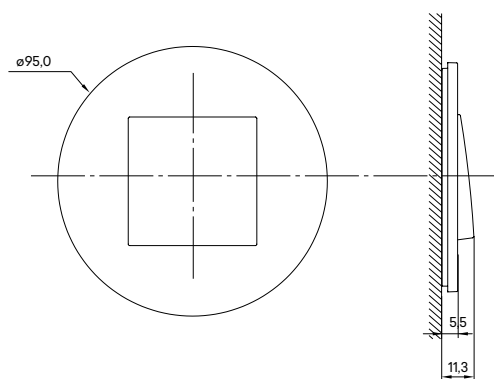
Ref. 45993 - Fixing Adapter



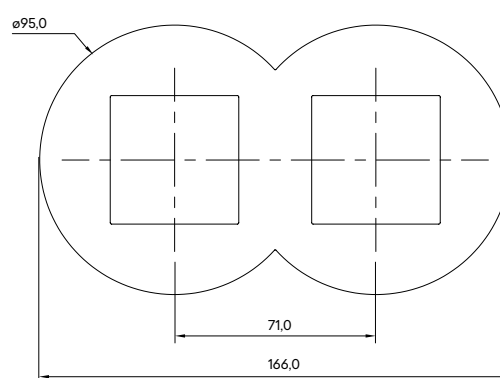
Ref. 45994 - Fixing Adapter with Claws



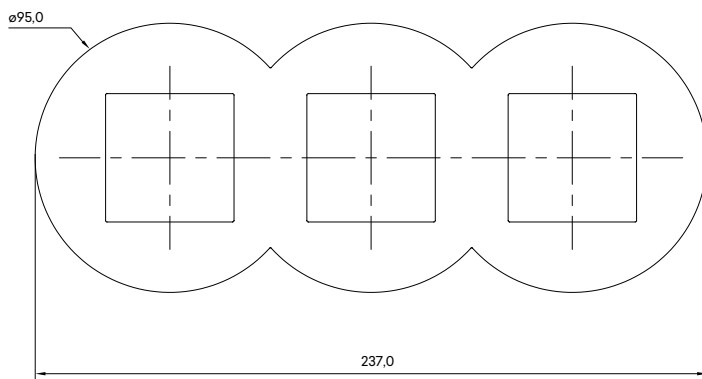
Ref. 43910 T - SV Single



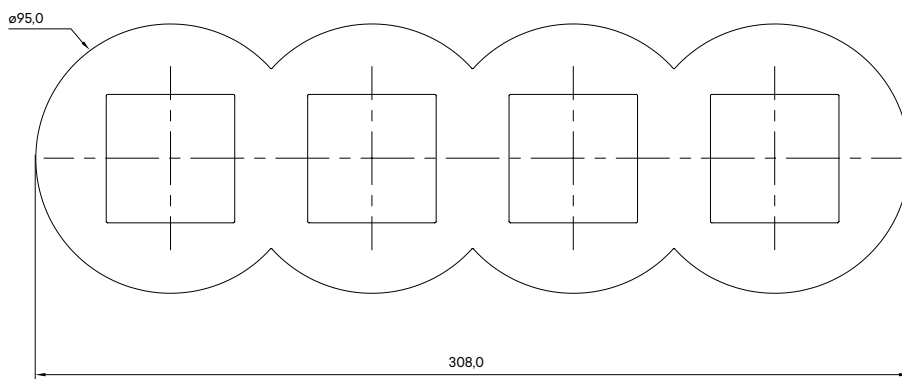
Ref. 43920 T - SV Double



Ref. 43930 T - SV Triple

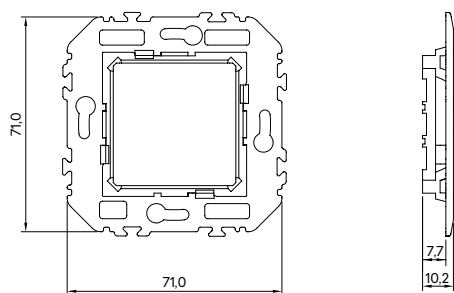


Ref. 43940 T - SV Four-Gang

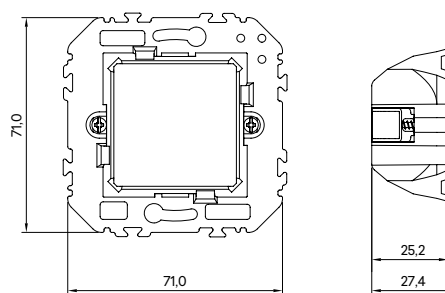


Frames and Fixing Adapters - Dimensions (mm)

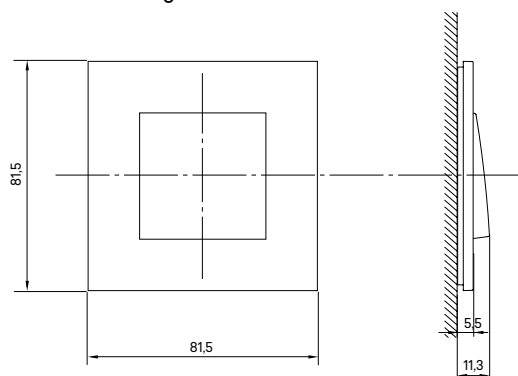
Ref. 45993 - Fixing Adapter



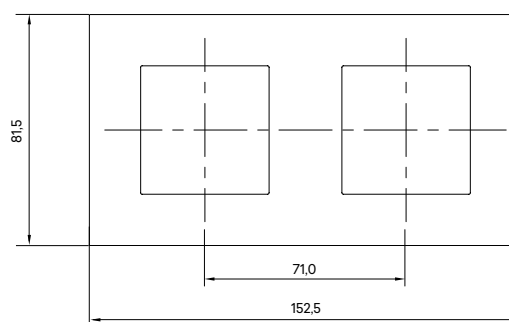
Ref. 45994 - Fixing Adapter with Claws



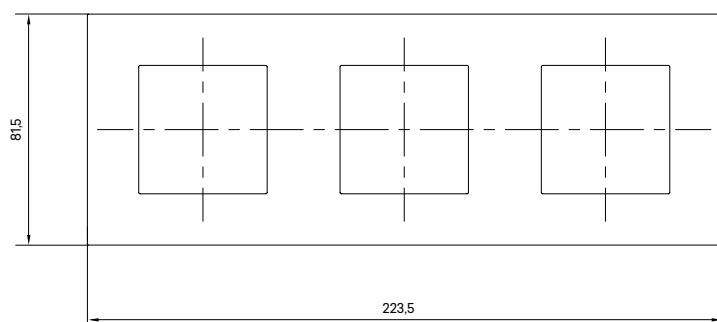
Ref. 45910 T - Single



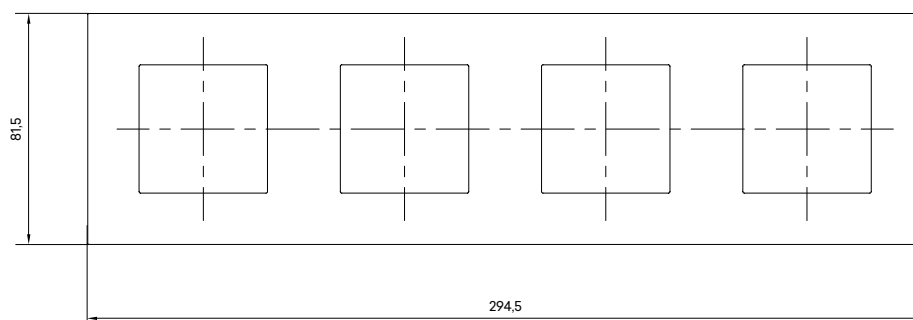
Ref. 45920 T - Double



Ref. 45930 T - Triple

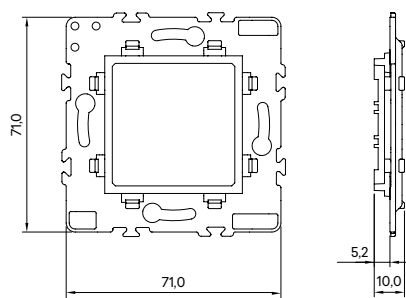


Ref. 45940 T - Four-Gang

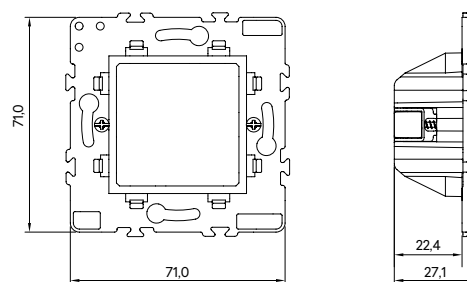


Frames and Fixing Adapters (European Matrix) - Dimensions (mm)

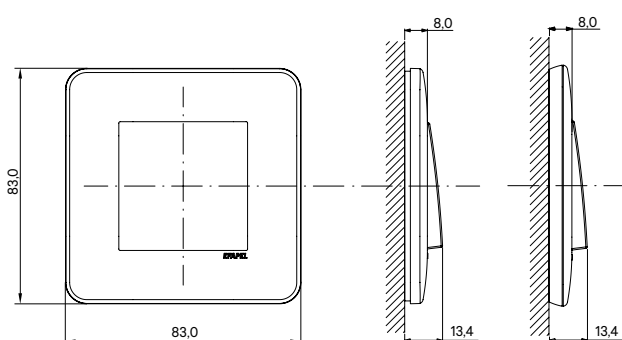
Ref. 42993 - Fixing Adapter



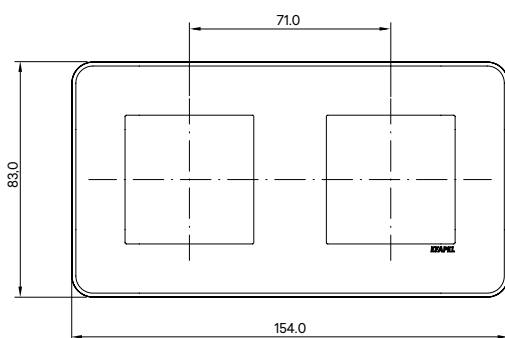
Ref. 42994 - Fixing Adapter with Claws



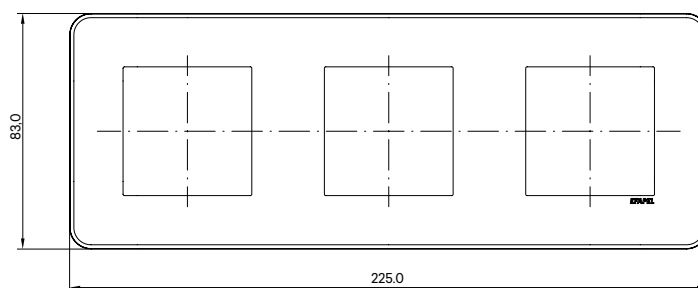
Ref. 42910 T - Single (Standard, Aquarella, Lyra, Ligna, Metallum)



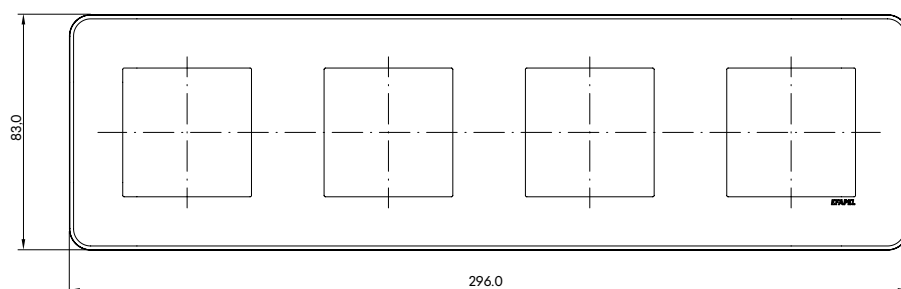
Ref. 42920 T - Double (Standard, Aquarella, Lyra, Ligna, Metallum)



Ref. 42930 T - Triple (Standard, Aquarella, Lyra, Ligna, Metallum)

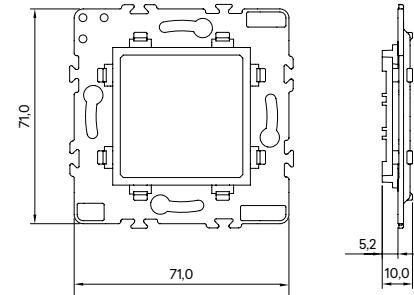


Ref. 42940 T - Four-Gang (Standard, Aquarella, Lyra, Ligna, Metallum)

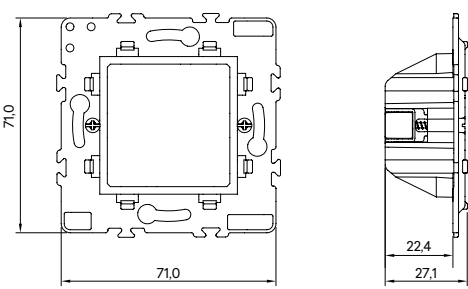


Frames and Fixing Adapters (European Matrix) - Dimensions (mm)

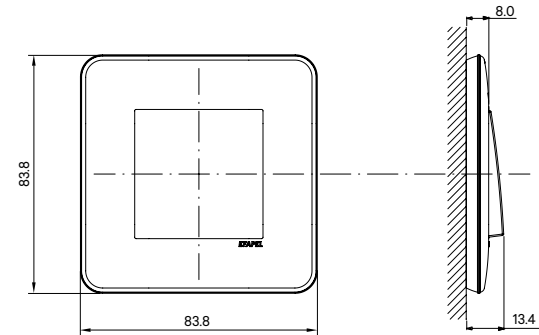
Ref. 42993 - Fixing Adapter



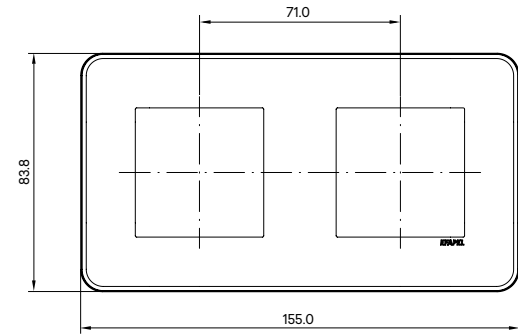
Ref. 42994 - Fixing Adapter with Claws



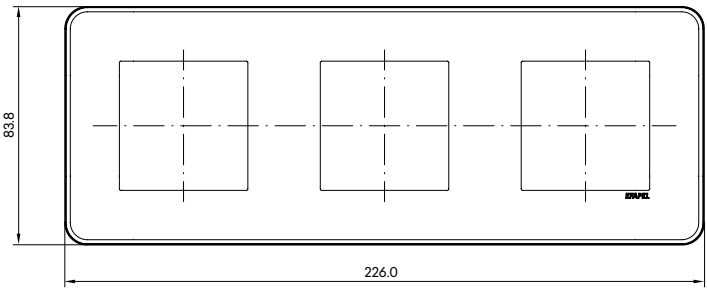
Ref. 42910 T - Single (Croma)



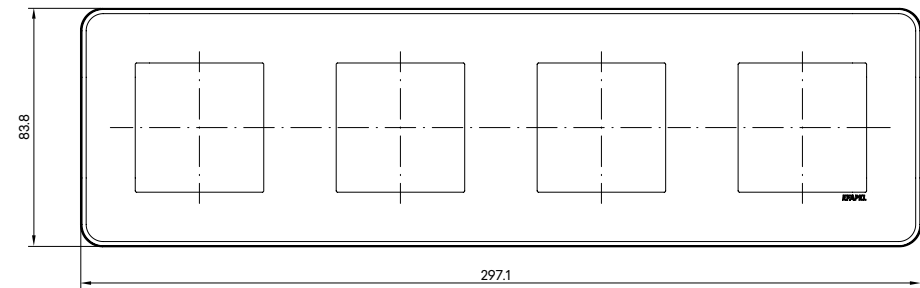
Ref. 42920 T - Double (Croma)



Ref. 42930 T - Triple (Croma)

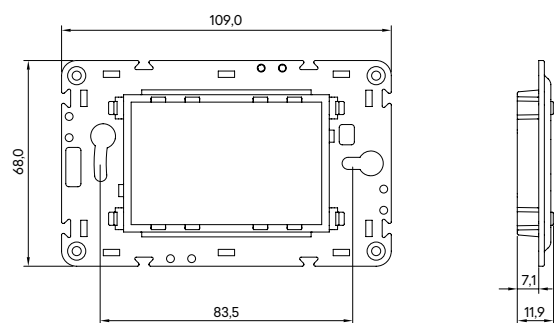


Ref. 42940 T - Four-Gang (Croma)

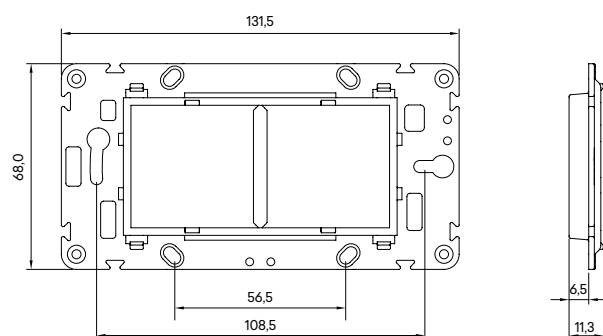


Fixing Adapters (Italian Matrix) - Dimensions (mm)

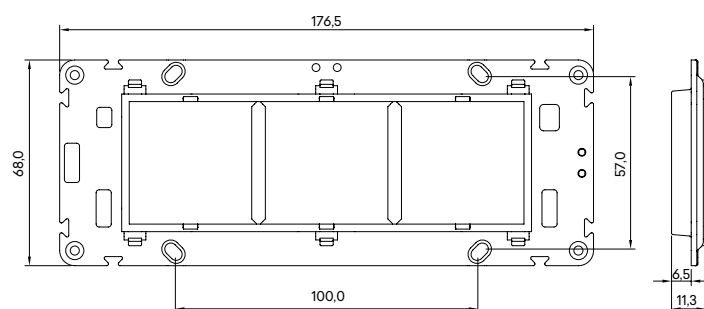
Ref. 41994 - 3 Modules (Standard, Aquarella, Lyra, Ligna, Metallum, Cromia, Crystal)



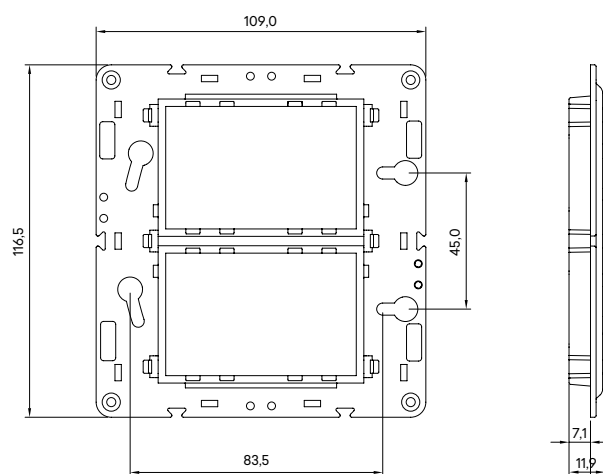
Ref. 41996 - 4 Modules (Standard, Aquarella, Lyra, Ligna, Metallum, Cromia)



Ref. 41997 - 6 Modules (Standard, Aquarella, Lyra, Ligna, Metallum)

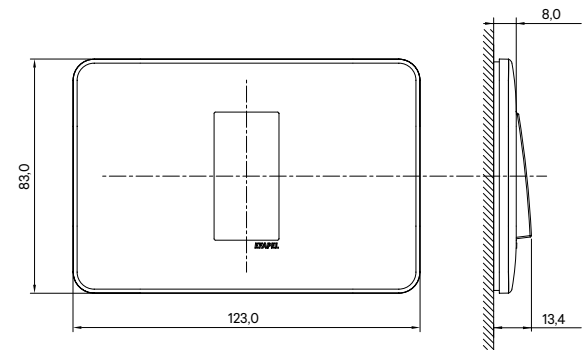


Ref. 41995 - 3+3 Modules (Standard, Aquarella, Lyra, Ligna, Metallum, Cromia, Crystal)

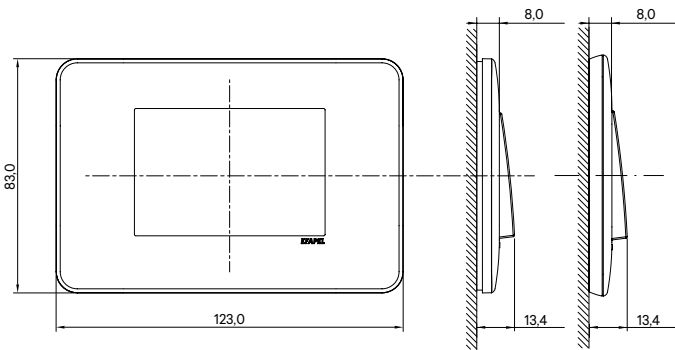


Frames Italian Matrix - Dimensions (mm)

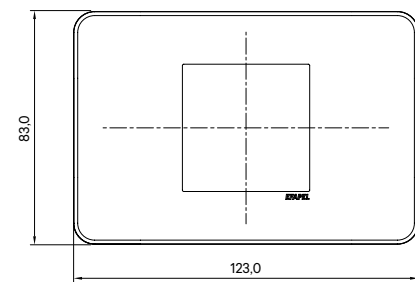
Ref. 41913 T (010) - 1 Module (Standard, Aquarella)



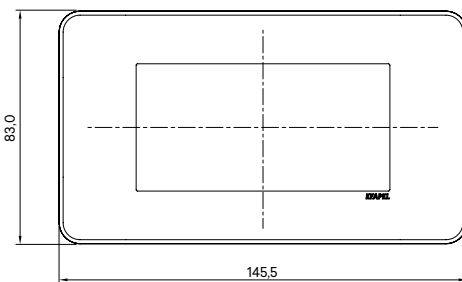
Ref. 41916 T - 3 Modules (Standard, Aquarella, Lyra, Ligna, Metallum)



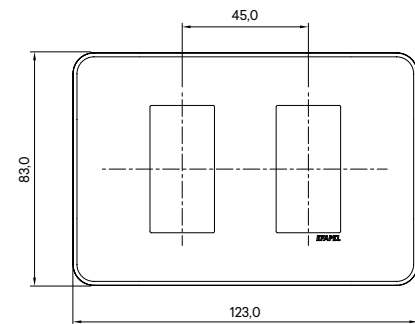
Ref. 41914 T - 2 Modules (Standard, Aquarella)



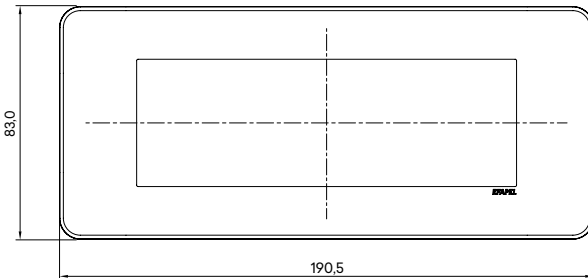
Ref. 41917 T - 4 Modules (Standard, Aquarella, Lyra, Ligna, Metallum)



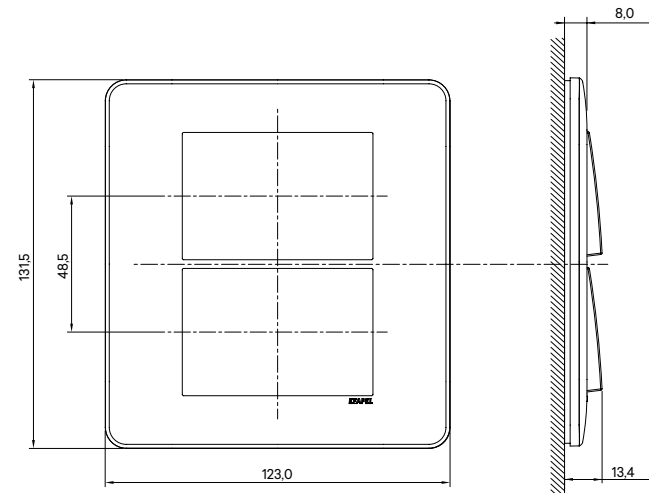
Ref. 41915 T (101) - 2 Modules (Standard, Aquarella)



Ref. 41918 T - 6 Modules (Standard, Aquarella, Lyra, Ligna, Metallum)

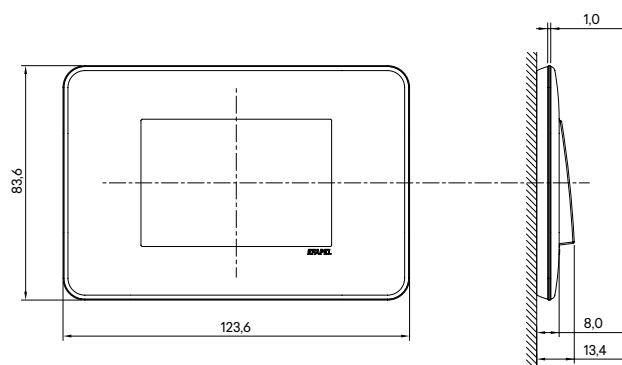


Ref. 41926 T - 3+3 Modules (Standard, Aquarella, Lyra, Ligna, Metallum)

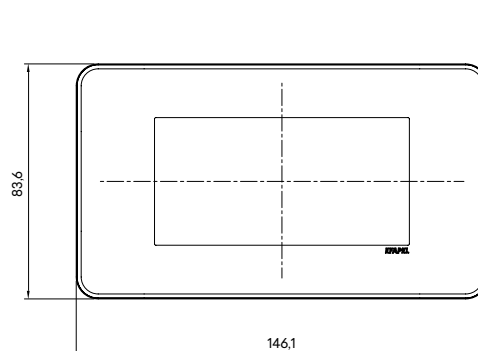


Frames Italian Matrix - Dimensions (mm)

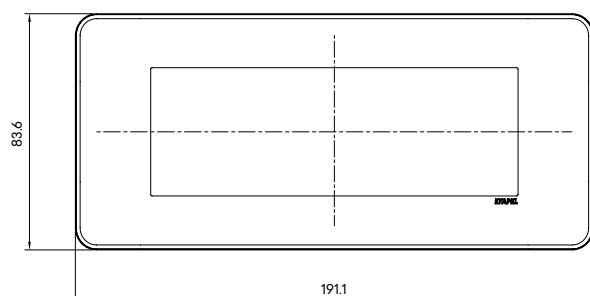
Ref. 41916 T - 3 Modules (Croma)



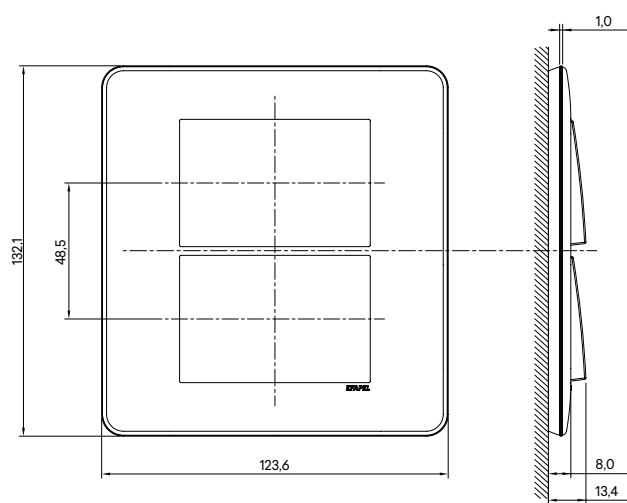
Ref. 41917 T - 4 Modules (Croma)



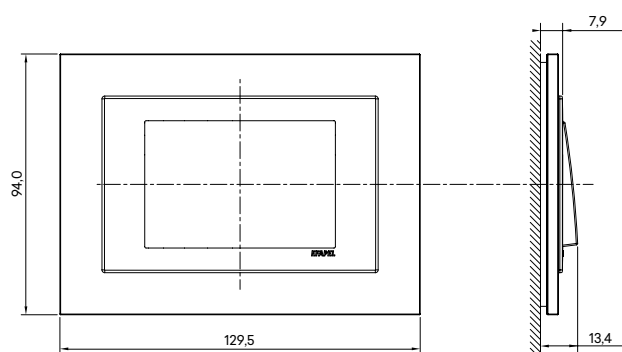
Ref. 41918 T - 6 Modules (Croma)



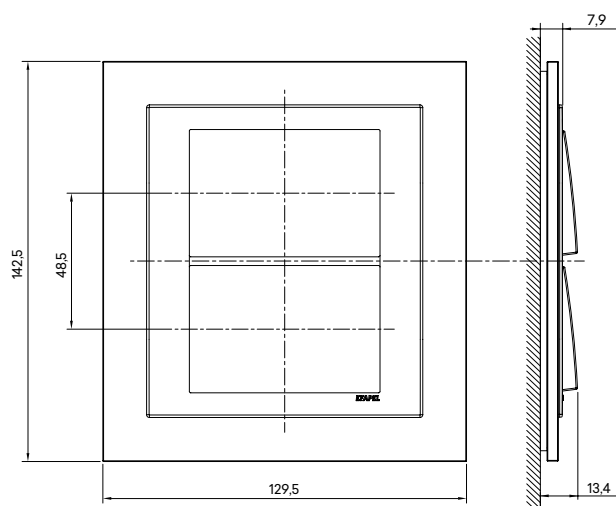
Ref. 41926 T - 3+3 Modules (Croma)



Ref. 41916 T - 3 Modules (Crystal)



Ref. 41926 T - 3+3 Modules (Crystal)



Socket with USB

Description



MEC 21 Mechanisms
Ref. 21137, 21117
 Finishings - LOGUS 90 | APOLO 5000

Possibility of IP44 using the **Waterproof Frame IP44 (Ref. XX961 TXX)**, only available in single version).

Possibility of using the cover for mechanism protection during the Construction phase (**Ref. 21971**).

Characteristics

Mechanisms in Technical Thermoplastic - resistant material, non-conductive.

Energy Sockets Schuko and French:

Nominal input characteristics: **250 V ~ - 50/60 Hz**

Maximum input current: **300 mA**

Maximum load: **16 A**

Efficiency: **75 %**

Consumption: **< 50 mW**

Screw connection

In accordance with IEC 60884-3-1 Standard.

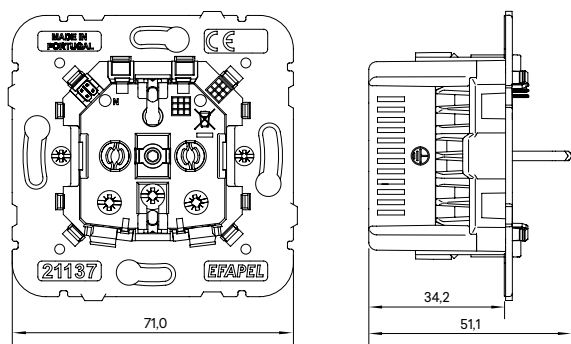
USB A and C charger using the cover plate (**Ref. XX630 TXX (Schuko)** or with **XX650 TXX (French)**

Output USB: **5 V ~ 3000 mA 15 W**

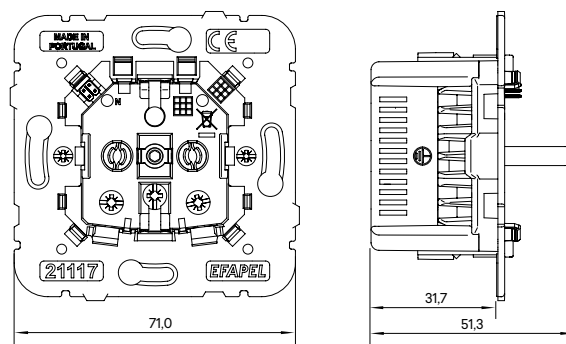
Operation temperature: **-5 °C to +40 °C**

Dimensions (mm)

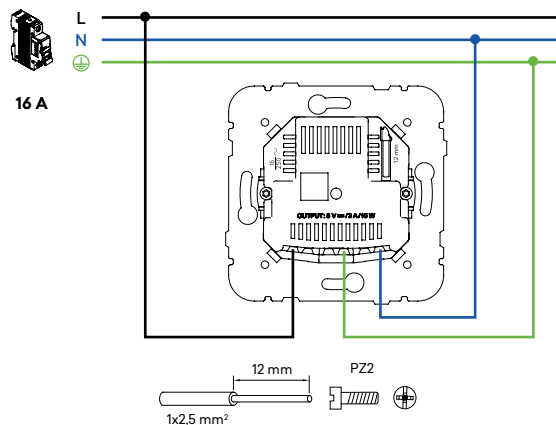
Ref. 21137



Ref. 21117



Wiring Diagram



Buzzer

Description



MEC 21 Mechanism
Ref. 21990
Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

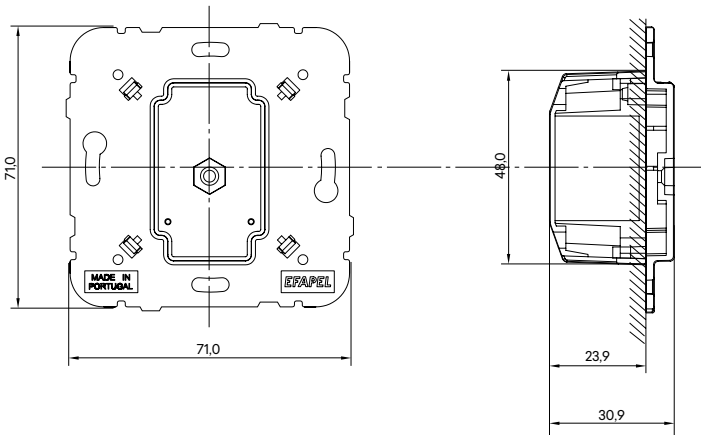
Characteristics

Voltage: **230 V ~**
Frequency: **50 Hz**
Type: **D (Type D sound signal)**
Operation cycle: **intermittent 5/15 seconds**

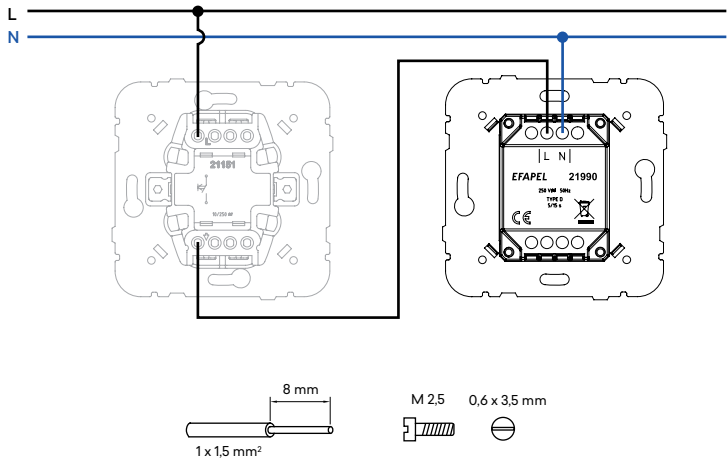
Operation

Produces a sound signal when powered.

Dimensions (mm)



Wiring Diagram



Electronic Buzzer

Description



MEC Q45 Mechanism
Ref. 45369 S
Finishings - QUADRA | SIZA | LATINA



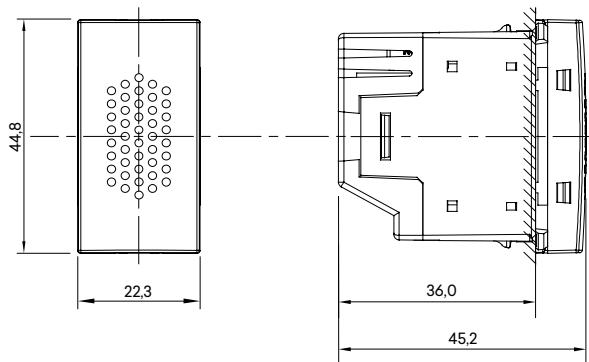
Characteristics

Operation voltage: **100-240 V ~**
Frequency: **50-60 Hz**
Type: **D (Type D sound signal)**
Acoustic level: **80 dB at 1m**
Operation cycle: **intermittent 5 / 15 seconds**
Operation temperature: **-10 °C to +45 °C**

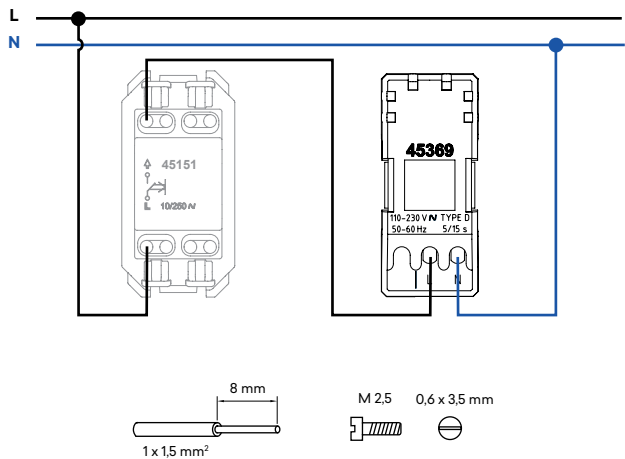
Operation

Produces a sound signal when powered.

Dimensions (mm)



Wiring Diagram



HDMI Sockets

Description



MEC Q45 Mechanisms
Ref. 45435 S - HDMI Socket with Connector - 1 Module
Ref. 45436 S - HDMI Socket with Screwless Connect - 2 Modules
High definition audio and video pass-through socket between any transmitter (computer, DVD, ...) and a terminal (TV, LCD, Video projector,...)
Finishings - **QUADRA | SIZA | LATINA**

Available in colors, with the adapter for LOGUS 90, APOLO 5000 and SIRIUS 70

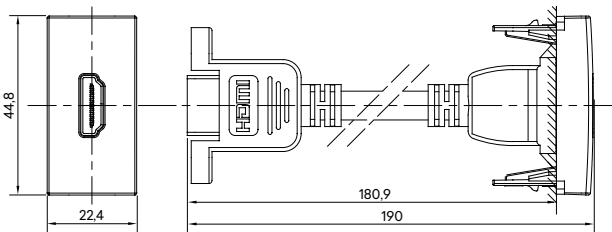
Characteristics

Mechanisms in Technical Thermoplastic - resistant material, non-conductive.

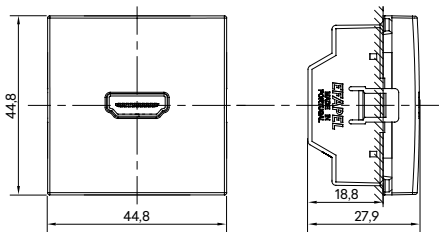
Reference	45435 S	45436 S
Connection	Through patch cord (female connector)	Screw
Distance between HDMI sockets	10 meters	5 meters
Maximum resolution	1080 p	
Connectors	Type 1,4 Version E	

Dimensions (mm)

Ref. 45435 S

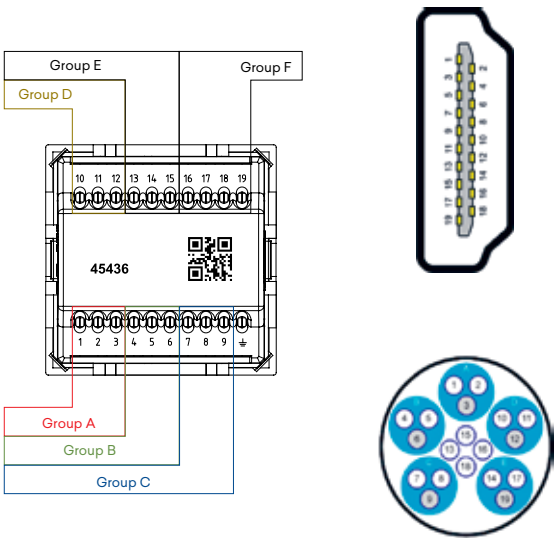


Ref. 45436 S



Wiring Diagram

Ref. 45436 S



Pin	Group
Pin 1	A Group / Red Group
Pin 2	
Pin 3	
Pin 4	B Group / Green Group
Pin 5	
Pin 6	
Pin 7	C Group / Blue Group
Pin 8	
Pin 9	
Pin 10	D Group / Brown Group
Pin 11	
Pin 12	
Pin 13	E Group
Pin 14	
Pin 15	
Pin 16	F Group / Remaining Cables without Group
Pin 17	
Pin 18	
Pin 19	

USB Data | VGA | RCA Sockets

Description



MEC Q45 Mechanisms
Ref. 45437 S - USB Data Socket - 1 Module
Data pass-through socket via USB connection
Ref. 45430 S - Female HD15 Socket - 2 Modules
Video pass-through socket between any transmitter (computer, DVD, ...) and a terminal (TV, LCD, Video projector, ...)
Ref. 45580 S - Female RCA Socket 3 Outputs - 1 Module
Video pass-through socket between any transmitter (computer, DVD, ...) and a terminal (TV, LCD, Video projector, ...)
Finishings - **QUADRA | SIZA | LATINA**

Available in colors, with the adapter for LOGUS 90, APOLO 5000 and SIRIUS 70

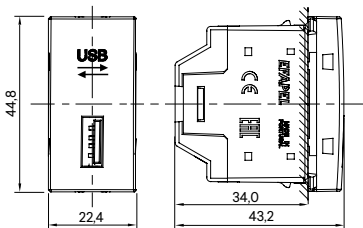
Characteristics

Mechanisms in Technical Thermoplastic - resistant material, non-conductive.

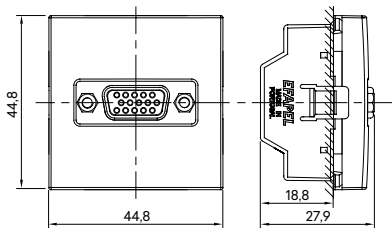
Reference	45437 S	45430 S	45580 S
Connection	Screw		
Distance between sockets	5 meters	15 meters	20 meters
Maximum speed	12 Mbit/s	not apply	

Dimensions (mm)

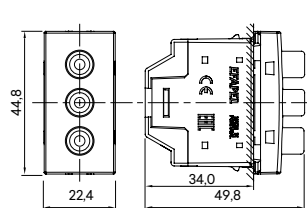
Ref. 45437 S



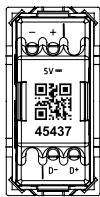
Ref. 45430 S



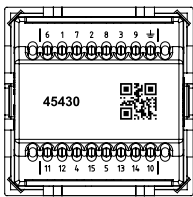
Ref. 45580 S



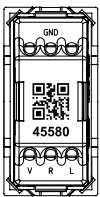
Wiring Diagrams



Pino	
+	VBUS 5VDC
-	GROUND
D+	DATA +
D-	DATA -



Pino	
1	RED COAX
2	GREEN COAX
3	BLUE COAX
4	ORANGE (ID BIT 2 - NC)
5	RED (GND)
6	RED BRAID
7	GREEN BRAID
8	BLUE BRAID
9	WHITE (KEY)
10	BLUE (GND)
11	BROWN (ID BIT 0 - GND)
12	YELLOW (ID BIT 1 - SDA)
13	GREY (HORIZONTAL SYNCHRONIZATION)
14	GREEN (GreenICAL SYNCHRONIZATION)
15	BLACK (ID BIT 3 - SCL)
16	SHIELD (GROUND)



Pino	
V	VIDEO Câble
R	RIGHT AUDIO SIGNALS
L	LEFT AUDIO SIGNALS
GND	GROUND

Dimmers

Description



MEC 21 Mechanism
Ref. 21210, 21211, 21213, 21214, 21215, 21216, 21217, 21219
Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

Allows to adjust the luminous flux of one or more lamps.

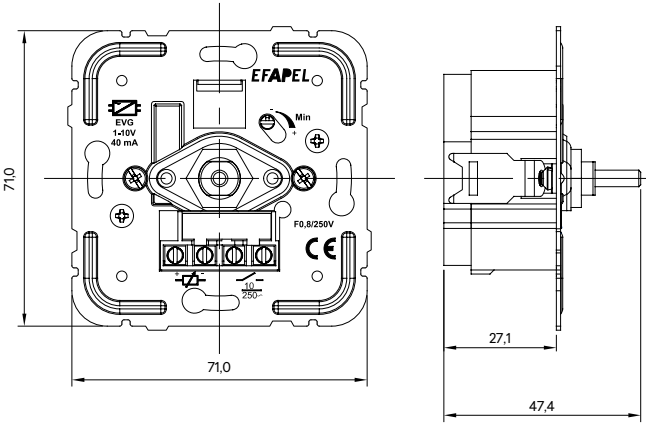
Characteristics

Reference		21210	21211	21213	21214	21215	21216	21217	21219
Rated voltage		230 V ~ / 50 Hz							
Regulation Type		1-10 V	LEADING EDGE	TRAILING EDGE	LEADING EDGE	TRAILING EDGE	LEADING EDGE	TRAILING EDGE	LEADING EDGE
Power	Minimum	-	20 W / VA	20 W / VA	7 W / VA 3 W (LED)	15 W / VA 3 W (LED)	20 W / VA 3 W (LED)	15 W / VA 5 W (LED)	25 W/VA
	Maximum	I _{control} ≤ 40 mA	500 W / VA	550 W / VA	110 W / VA 35 W (LED)	150 W / VA 50 W (LED)	250 W / VA 85 W (LED)	450 W / VA 150 W (LED)	600 W / VA
Switch Type		Switch	Two-way Switch	Two-way Switch	Two-way Switch	Two-way Switch	Two-way Switch	Two-way Switch	Two-way Switch
Connections		2,5 mm ²	2,5 mm ²	2,5 mm ²	2,5 mm ²	2,5 mm ²	2,5 mm ²	2,5 mm ²	2,5 mm ²
Fuse		F 0,8 A / 250 V	T 2 AH / 250 V	-	T 1 A / 250 V	-	T 2 AH / 250 V	-	F 2,5 A / 250 V

Operation

Rotary variation of luminous flux.
Press button for ON / OFF switching status.

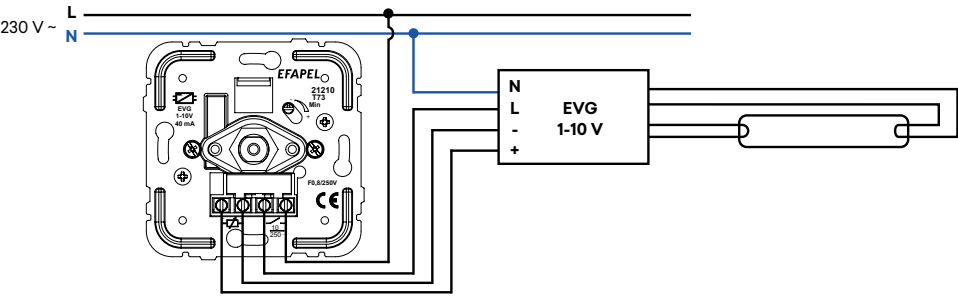
Dimensions (mm)



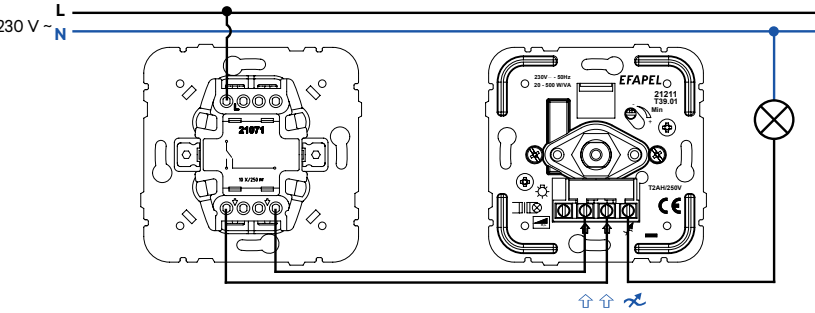
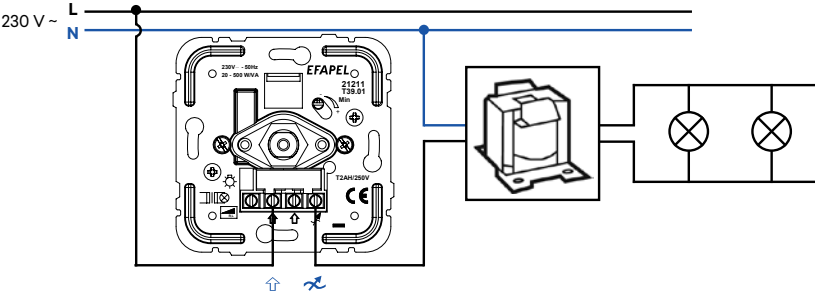
Dimmers

Wiring Diagrams

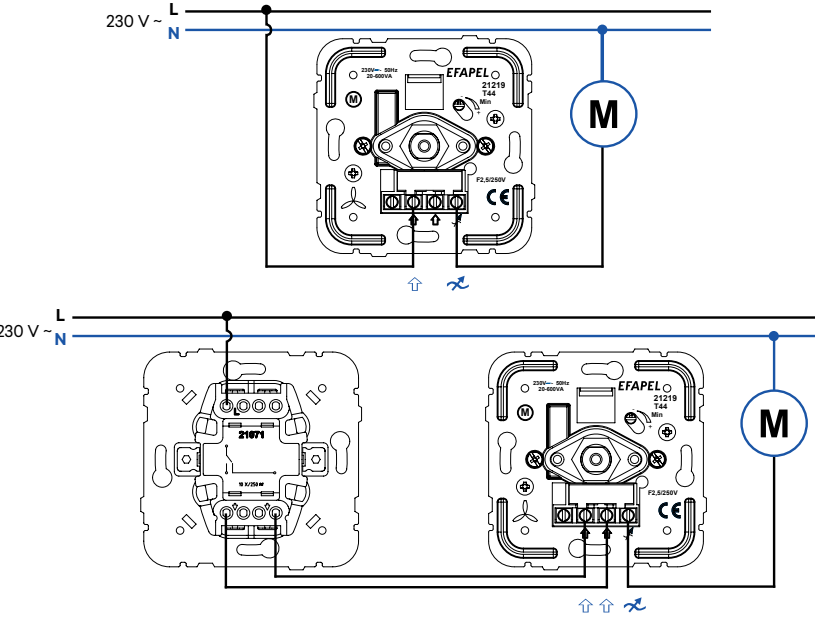
Ref. 21210



Ref. 21211 | 21213 | 21214 | 21215 | 21216 | 21217



Ref. 21219



Dimmer RLC Rotary

Description



MEC Q45 Mechanism

Ref. 45216 S

Finishings - QUADRA | SIZA | LATINA

No need for a neutral line (directly replaces a Single Pole Switch).

Compatible with RLC loads (R, RL and RC).

Memorizes last lighting level.

Allows to control at more than one point (switching circuit) with the use of rocker switches (NO).



Characteristics

Rated voltage: **100-240 V ~ | 50-60 Hz**

Consumption: **< 200 mW**

Operation temperature: **-10 °C to +45 °C**

Note:

Maximum number of recommended lamps for each circuit = 8 lamps.

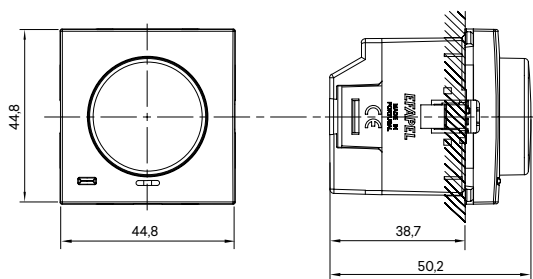
In the event of excessive load, short-circuit, inadequate current (dimnable lamps or a mixture of various types of dimnable lamps) - the frontal white LED will start flashing.

Operation

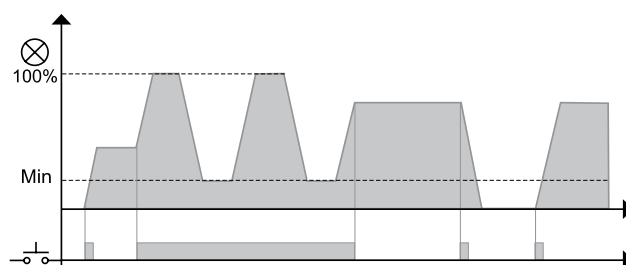
Allows to command ON / OFF and the regulation of the dimming of a lamp or set of lamps:

- Regulation of the dimming by rotation or through continuous pressure on the button;
- Short button press, switches ON/OFF position.

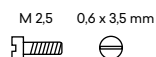
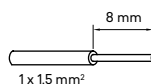
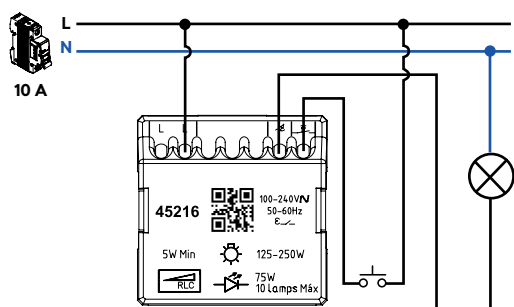
Dimensions (mm)



Operation Diagram (External Input)



Wiring Diagram



Dimmer RLC Switch

Description



MEC 21 Mechanism

Ref. 21218

Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

MEC Q45 Mechanism

Ref. 45218 S

Finishings - QUADRA | SIZA | LATINA

No need for a neutral line (directly replaces a Single Pole Switch).

Compatible with RLC loads (R, RL and RC).

Allows to control at more than one point (switching circuit) with the use of rocker switches (NO).

Four backlight settings:

- Orienting Light - backlighting on with load disconnected and off with load connected;
- Pilot Lamp - backlighting off with load disconnected and on with load connected;
- ON Always - backlighting always on;
- OFF - backlighting off.



Characteristics

Rated voltage: **100-240 V ~ | 50-60 Hz**

Consumption: **< 200 mW**

Operation temperature: **-10 °C to +45 °C**

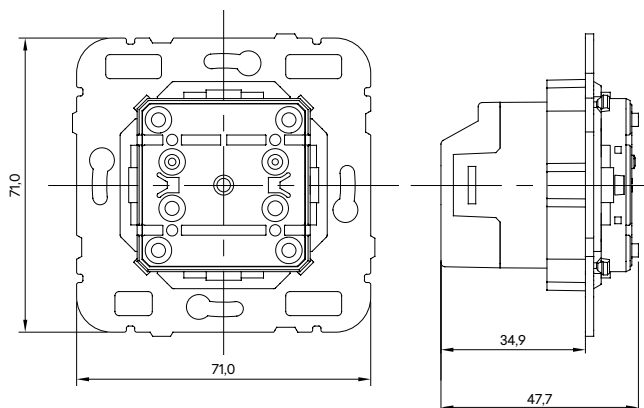
Notes:

Maximum number of recommended lamps for each circuit = 8 lamps;
In the event of excessive load, short-circuit, inadequate current (dimmable lamps or a mixture of various types of dimmable lamps) - the frontal white LED will start flashing.

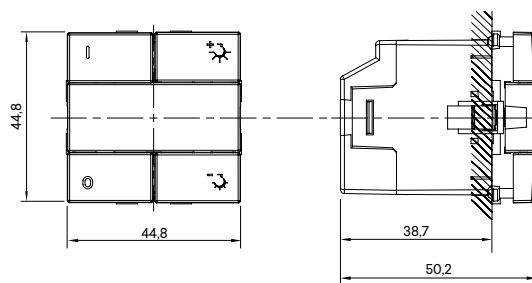
Operation

Allows to command ON / OFF and the regulation of the dimming of a lamp or set of lamps.

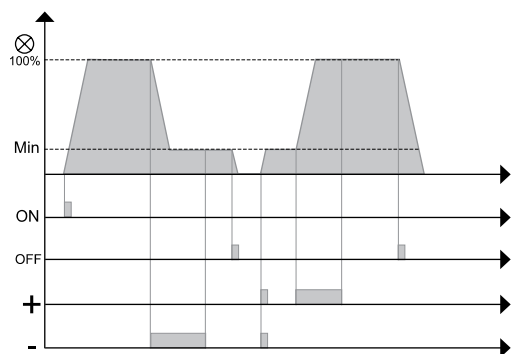
Dimensions MEC 21 (mm)



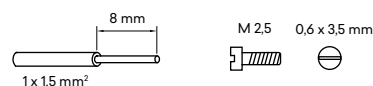
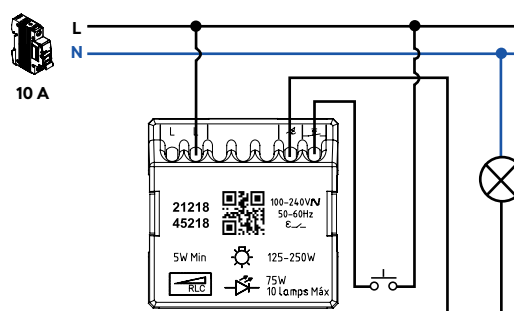
Dimensions MEC Q45 (mm)



Operation Diagram (External Input)



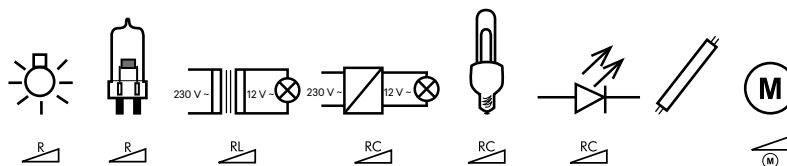
Wiring Diagram



Dimmers

Characteristics - Quick Choice General Table

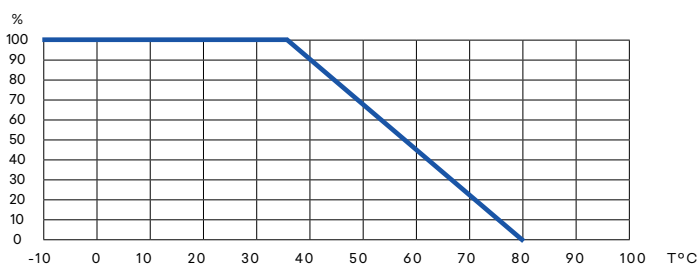
maximum recommended loads



Ref.	Type	Voltage	Minimum	Maximum	Maximum	Maximum	Maximum	Maximum	Maximum	Maximum	Maximum	Maximum
21210	-	1-10 V	-	-	-	-	-	-	-	-	40 mA	-
21211	Phase-cut dimming in the Forward phase "Leading Edge"	RL	230 V ~ 50 Hz	20 W / VA	500 W	500 W	500 VA	-	-	-	-	-
21213	Phase-cut dimming in the Reserve phase "Trailing Edge"	RC	230 V ~ 50 Hz	20 W / VA	550 W	550 W	-	550 VA	-	-	-	-
21214	Phase-cut dimming in the Forward phase "Leading Edge"	RL	230 V ~ 50 Hz	7 W / VA 3 W (LED)	110 W	110 W	110 VA	-	110 W	35 W	-	-
21215	Phase-cut dimming in the Reserve phase "Trailing Edge"	RC	230 V ~ 50 Hz	15 W / VA 3 W (LED)	150 W	150 W	-	150 VA	150 W	50 W	-	-
21216	Phase-cut dimming in the Forward phase "Leading Edge"	RL	230 V ~ 50 Hz	20 W / VA 3 W (LED)	250 W	250 W	250 VA	-	250 W	85 W	-	-
45216 S	Intelligent - Phase-cut dimming in the Forward and Reserve phase "Leading Edge" and "Trailing Edge"	RLC	240 V ~ 50/60 Hz 100 V ~ 50/60 Hz	5 W 5 W	250 W 125 W	250 W 125 W	250 VA 125 VA	250 VA 125 VA	75 W 75 W	75 W 75 W	-	-
21217	Phase-cut dimming in the Reserve phase "Trailing Edge"	RC	230 V ~ 50 Hz	15 W / VA 5 W (LED)	450 W	450 W	-	450 VA	450 W	150 W	-	-
21218 45218 S	Intelligent - Phase-cut dimming in the Forward and Reserve phase "Leading Edge" and "Trailing Edge"	RLC	240 V ~ 50/60 Hz 100 V ~ 50/60 Hz	5 W 5 W	250 W 125 W	250 W 125 W	250 VA 125 VA	250 VA 125 VA	75 W 75 W	75 W 75 W	-	-
21219	Phase-cut dimming in the Forward phase "Leading Edge"	RL	230 V ~ 50 Hz	25 W / VA	600 W	600 W	-	-	-	-	-	600 VA

Note: Maximum number of recommended lamps for each circuit = 8 lamps.

Power reduction of the maximum power indicated on the dimmer in accordance with the ambient temperature



LED Pilot Light

Description



MEC 21 Mechanisms

Ref. 21361 - Led Pilot Light

Ref. 21365 - Led Pilot Light Double State Green/Red

Finishings - **LOGUS 90** | **APOLO 5000** | **SIRIUS 70**

Possibility of putting a cover in one of the following colors:

- - Colorless
- - Orange
- - Green
- - Red

100-240 V ~
50-60 Hz

Characteristics

Mechanisms in Technical Thermoplastic - resistant material, non-conductive

Rated voltage: **100-240 V ~ | 50-60 Hz**

Operation temperature: **-10 °C to +45 °C**

Pilot Light with integrated LED

Ref. 21361

- L1 - 0,2 W

- L2 - 0,4 W

Ref. 21365

- L1 - RED - 0,4 W

- L2 - GREEN - 0,4 W

Operation

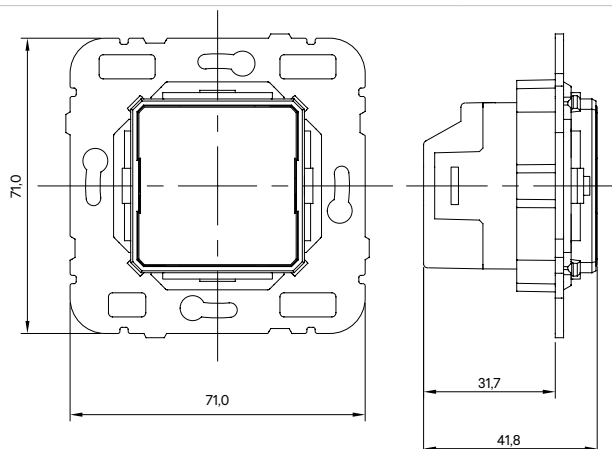
Ref. 21361

Light/Visual Signaling Mechanism with two levels of lighting.

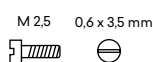
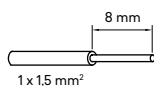
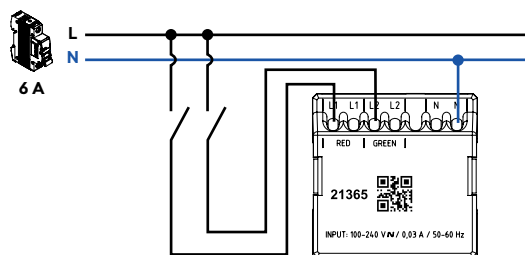
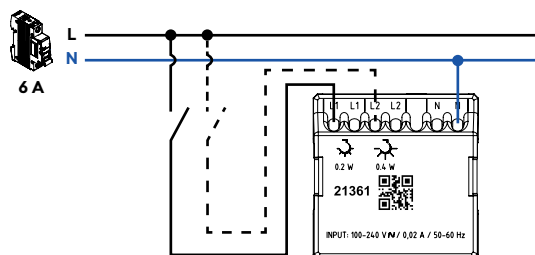
Ref. 21365

Light/Visual Signaling Mechanism with two colors (Green/Red)..

Dimensions (mm)



Wiring Diagrams



LED Pilot Light

Description



Indicators

- Ref. 45360 S** – Led Pilot Light – 1 Module
- Ref. 45361 S** – Led Pilot Light – 2 Modules
- Ref. 45362 S** – Led Triangular Pilot Light- 2 Modules

Possibility of putting a cover in one of the following colors:

- - Colorless
- - Orange
- - Green
- - Red

Double Pilot Light / Double State

- Ref. 45363 S** – Double Led Pilot Light Green – Red – 1 Module
- Ref. 45364 S** – Led Pilot Light Double State Green/Red – 1 Módulo
- Ref. 45365 S** – Led Pilot Light Double State Green/Red – 2 Modules
- Ref. 45366 S** – Triangular Pilot Light Double State Green/Red – 2 Modules
- Ref. 45367 S** – Led Pilot Light Double State Green/Red 12-24 V ~ – 1 Module
- Ref. 45368 S** – Led Pilot Light Double State Green/Red 12-24 V ~ – 2 Modules

Finishings - QUADRA | SIZA | LATINA

Characteristics

Mechanisms in Technical Thermoplastic - resistant material, non-conductive
 Operation temperature: -10 °C to +45 °C
 Screw connection
 Pilot Light with integrated LED

Operation

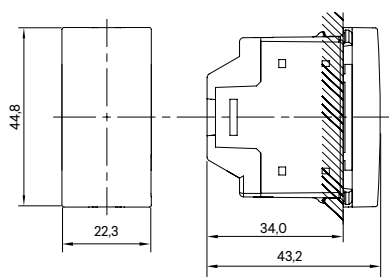
Visual Signaling Mechanism
 Possibility of sticking pictograms (**Ref. 81960, Ref. 81961, Ref. 81962** or **Ref. 81963**)

Reference	45360 S	45361 S	45362 S	45363 S	45364 S	45365 S	45366 S	45367 S	45368 S
Rated voltage	230 V ~ 50-60 Hz	100-240 V ~ 50-60 Hz		230 V ~ 50-60 Hz		100-240 V ~ - 50-60 Hz		12-24 V ~	
Nº Modules	1 Module	2 Modules	2 Modules	1 Module	1 Module	2 Modules	2 Modules	1 Module	2 Modules
Type	Flat	Flat	Triangular	Flat / Double	Flat	Flat	Triangular	Flat	Flat
Luminosity / Color	L - 0,4 W	2 levels: L1 - 0,4 W; L2 - 0,4 W		2 colors: L1 - RED - 0,4 W; L2 - GREEN - 0,4 W					

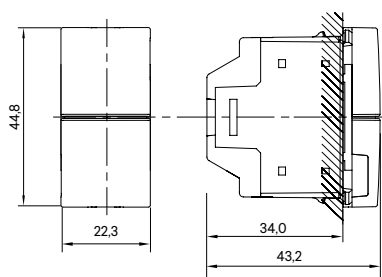
Note: To the Double State Pilot Lights are supplied with a colorless cover.

Dimensions (mm)

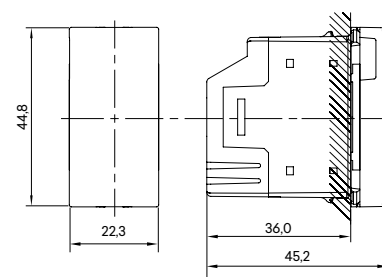
Ref. 45360 S | 45364 S



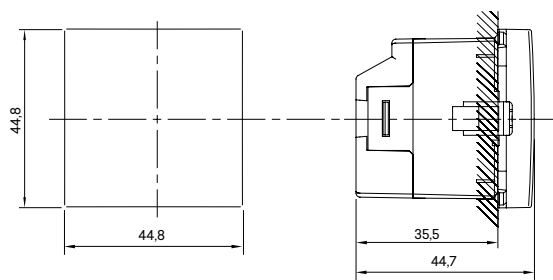
Ref. 45363 S



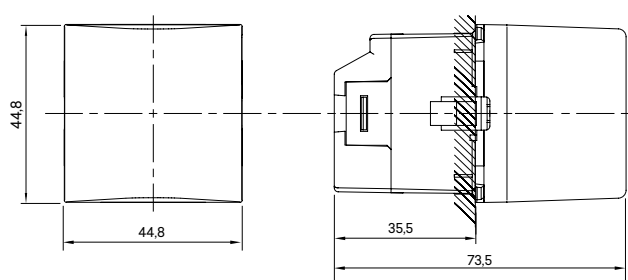
Ref. 45367 S



Ref. 45361 S | 45365 S | 45368 S



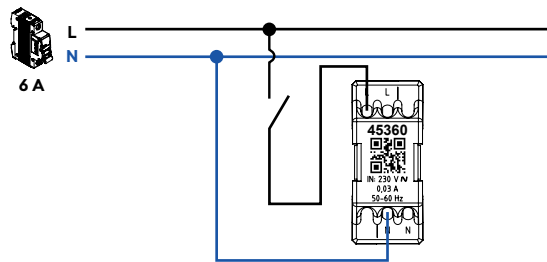
Ref. 45362 S | 45366 S



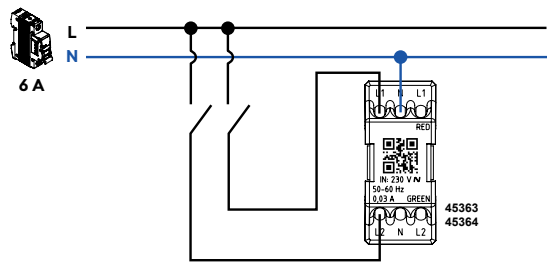
LED Pilot Light

Wiring Diagrams

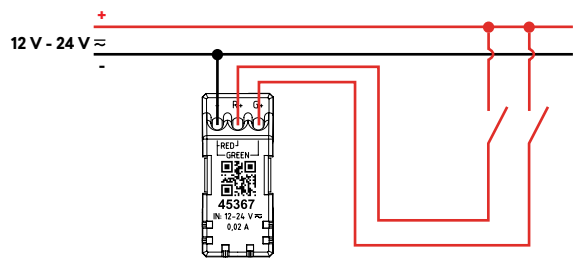
Ref. 45360 S



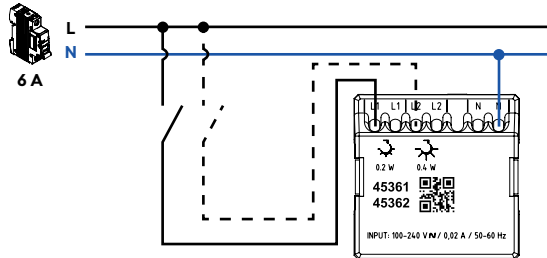
Ref. 45363 S | 45364 S



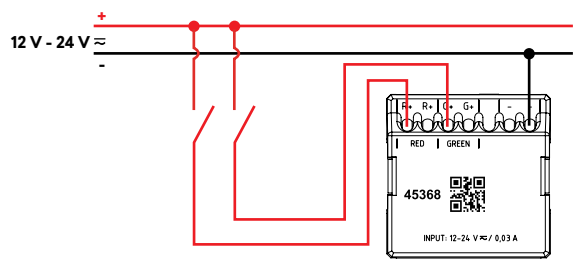
Ref. 45367 S



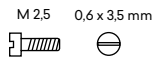
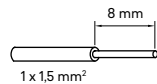
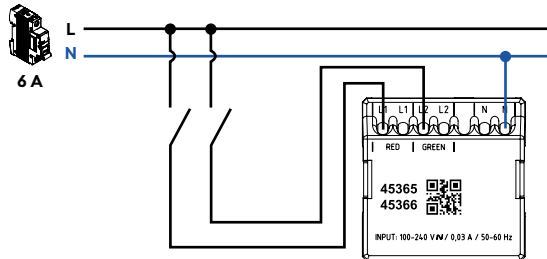
Ref. 45361 S | 45362 S



Ref. 45368 S



Ref. 45365 S | 45366 S



White Orientation Light

Description



MEC 21 Mechanisms

Ref. 21388 - White Orientation Light

Ref. 21389 - White Orientation Light with Battery

Finishings - **LOGUS 90** | **APOLO 5000** | **SIRIUS 70**

MEC Q45 Mechanisms

Ref. 45388 S - White Orientation Light

Ref. 45389 S - White Orientation Light with Battery

Finishings - **QUADRA** | **SIZA** | **LATINA**

100-240 V ~
50-60 Hz

Characteristics

LED Pilot Light

Rated voltage: **100-240 V ~ | 50-60 Hz**

Operation temperature: **-10 °C to +45 °C**

Ref. 21388, 45388 S

Two levels of intensity:

- **L1** - **0,2 W**

- **L2** - **0,4 W**

Color temperature: **4000 K**

Ref. 21389, 45389 S

Three modes of Operation:

- **"L1"** - **OFF Signaling** (turns on only after power failure).

- **"L2"** - **ON Signaling** (always on, until the battery is drained out after a power failure).

- **"L1" + "L2"** - Orientation Light and Orientation Light with Battery function.

Charging time: **36 hours**

Autonomy: **1 hour**

Operation

Ref. 21388, 45388 S

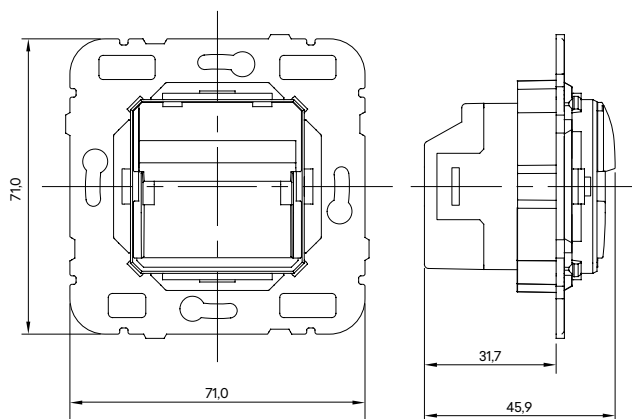
Light/Visual Signaling Mechanism with two levels of lighting.

Ref. 21389, 45389 S

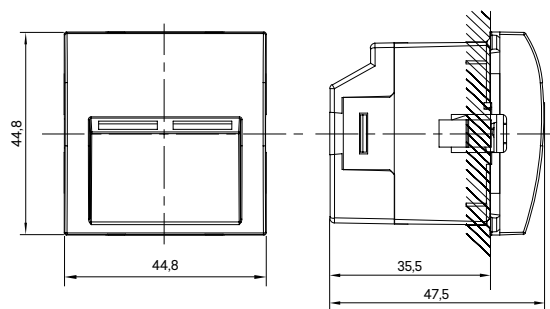
Light/Visual Signaling Mechanism, allows to operate as Orientation Light and Orientation Light with Battery.

In the event of a power failure, it maintains visual signaling for 1 hour.

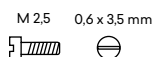
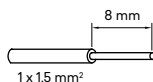
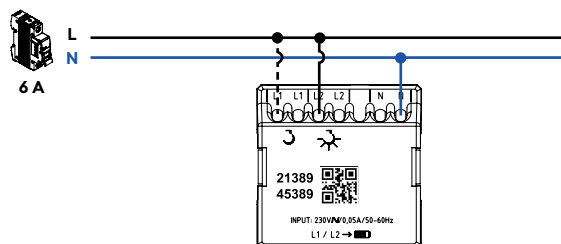
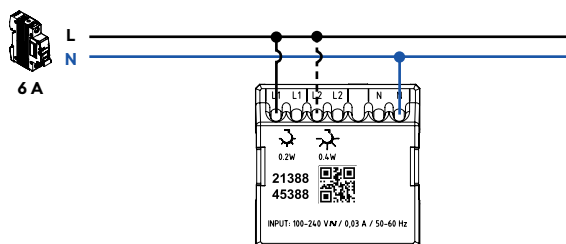
Dimensions MEC 21 (mm)



Dimensions MEC Q45 (mm)



Wiring Diagram



Timer Switch

Description



MEC 21 Mechanism

Ref. 21040

Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

MEC Q45 Mechanism

Ref. 45040 S

Finishings - QUADRA | SIZA | LATINA



Allows to control in more than one point (switching circuit) using push-buttons (NO):

- Orienting Light - backlighting on with load disconnected and off with load connected;
- Pilot Lamp - backlighting off with load disconnected and on with load connected;
- ON Always - backlighting always on;
- OFF - backlighting off.

Characteristics

Rated voltage: **100-240 V ~ | 50-60 Hz**

Maximum load: **16 A (cos ϕ = 1)**

Operating time regulation: **0 seconds to 15 minutes**

Consumption: **< 200 mW**

Operation temperature: **-10 °C to +45 °C**

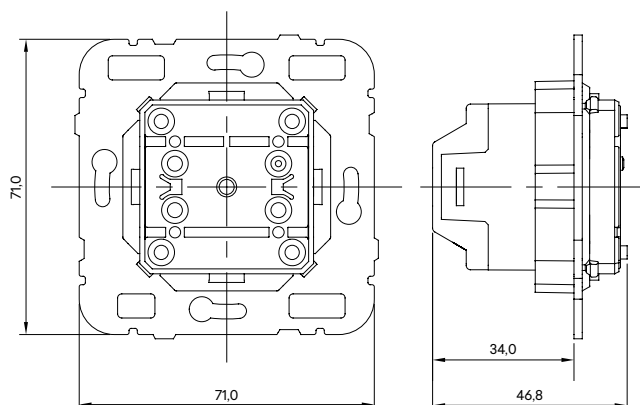
Compatible with any load type:

- Output: **NO or NC**;
- Voltage free output contact

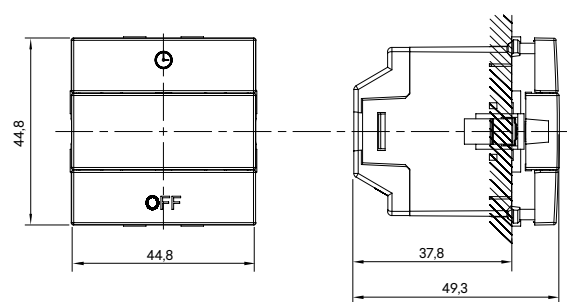
Operation

Allows to control a lighting circuit in a timed manner (by means of a defined timer) or ON / OFF.

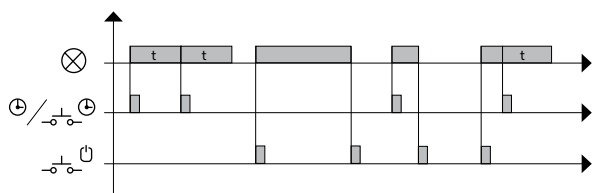
Dimensions MEC 21 (mm)



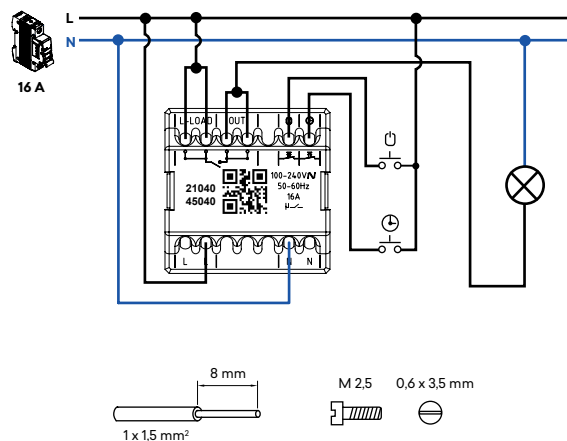
Dimensions MEC Q45 (mm)



Operation Diagram



Wiring Diagram



Card-system Timer Switch

Description



MEC 21 Mechanism

Ref. 21033

Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

MEC Q45 Mechanism

Ref. 45033 S

Finishings - QUADRA | SIZA | LATINA

Compatible with any type of bank card (ATM).
Possibility of inserting a card in the Vertical or Horizontal position.
Orienting Light function - whenever a card is inserted, the mechanism remains backlit.



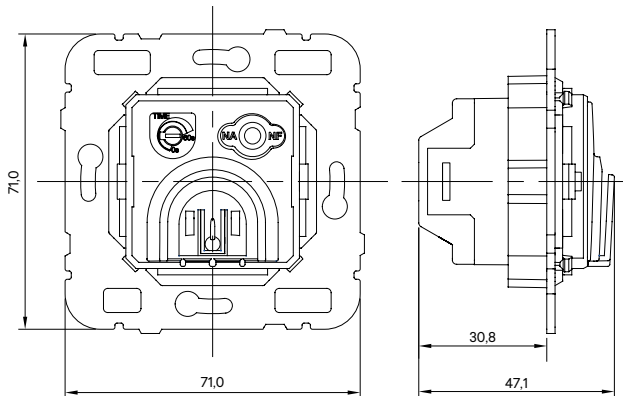
Characteristics

Rated voltage: **100-240 V ~ | 50-60 Hz**
Maximum load: **16 A (cos ϕ = 1)**
Operating time regulation: **0 seconds to 60 seconds**
Consumption: **< 250 mW**
Operation temperature: **-10 °C to +45 °C**
Compatible with any load type:
- Output: **NO or NC**;
- Voltage free output contact

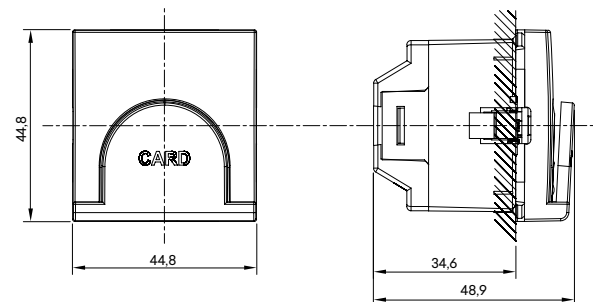
Operation

Allows control of a circuit according to the presence of a card in the holder.
When removing the card from the mechanism, the load remains On / Off for the pre-defined period of time.

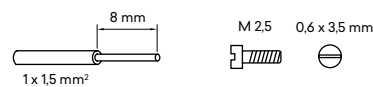
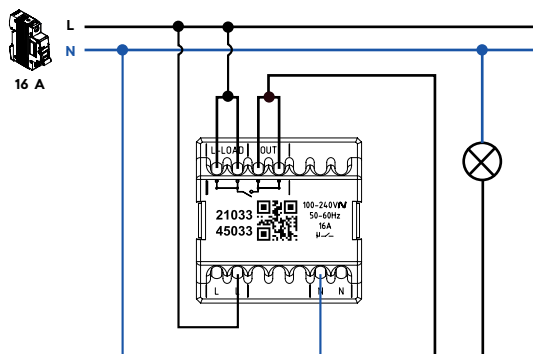
Dimensions MEC 21 (mm)



Dimensions MEC Q45 (mm)



Wiring Diagram



Digital Time Switches

Description



MEC 21 Mechanisms
Ref. 21041, 21042
 Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

MEC Q45 Mechanisms
Ref. 45041 S, 45042 S
 Finishings - QUADRA | SIZA | LATINA

Allows control of an installation or equipment according to a daily or weekly program.
 Capable of memorising up to 24 operations.
 Automatic summer/winter time change and idle time program (holidays).



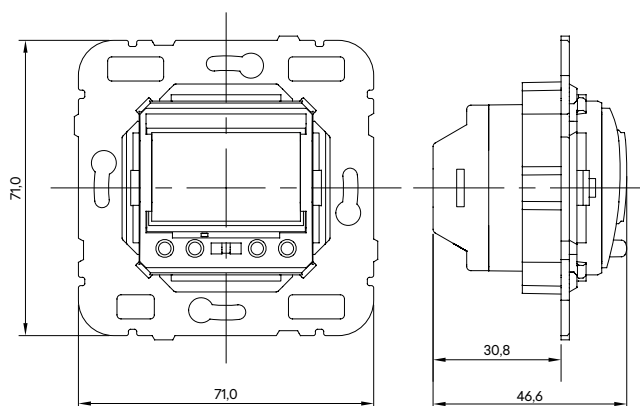
Characteristics

1 Circuit: **6 A (cos ϕ = 1) - 230 V ~ | 50/60 Hz**
 2 Circuits: **6 A + 6 A (cos ϕ = 1) - 230 V ~ | 50/60 Hz**
 Consumption: **< 1 W**
 Memory spaces: **24**
 Type of outputs: **ON, OFF and PULSE (1 to 59 seconds)**
 Programming accuracy: **1 second**
 Operating accuracy: **± 1 second / day**
 Operation temperature: **-10 °C to +45 °C**
 Battery Backup: **24 hours**
 Outputs: **NO + NC**
 Voltage free output contact

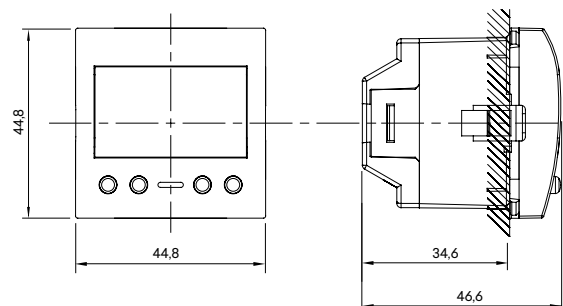
Operation

Manual ON/OFF status switching of each circuit.
 Programmable ON, OFF and PULSE switching (pulses from 1 to 59 seconds) for each circuit independently).

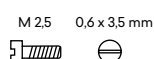
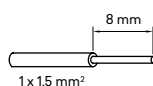
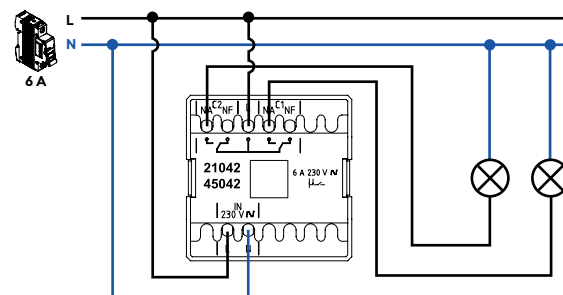
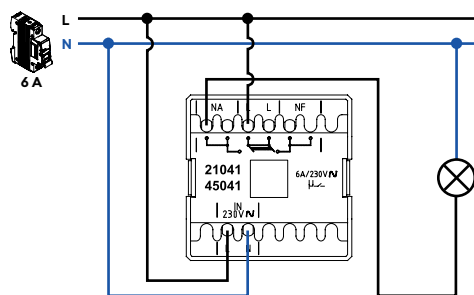
Dimensions MEC 21 (mm)



Dimensions MEC Q45 (mm)



Wiring Diagrams



Electronic Very Low Voltage 4-Gang Push-button

Description



MEC 21 Mechanism

Ref. 21164

Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

MEC Q45 Mechanism

Ref. 45164 S

Finishings - QUADRA | SIZA | LATINA

One common input and four independent "dry" contact outputs.
Contact opening and closing through microswitch (voltage free and of Very Low Voltage).



Characteristics

Maximum power dissipation: 60 mW (DC 12 V $\Rightarrow$ 50 mA)

Maximum voltage: 32 V $\Rightarrow$

Insulation resistance: $\geq 100 \text{ m}\Omega$

Dielectric strength: 250 V $\sim$ 50 Hz / 1 minute

Operation temperature: -25 °C up to +70 °C

Maximum relative humidity: (40 °C) $\leq 95 \%$

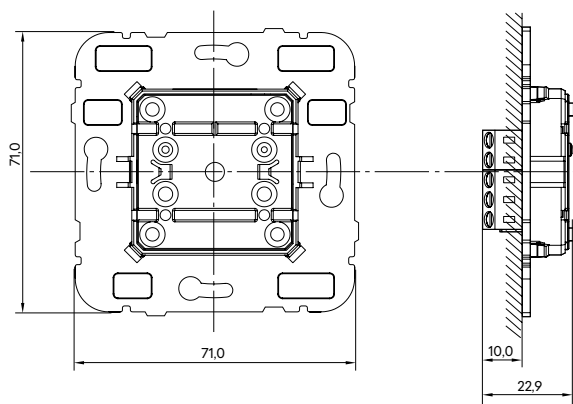
Contact resistance: $\leq 40 \text{ m}\Omega$

Outputs: 4 NO

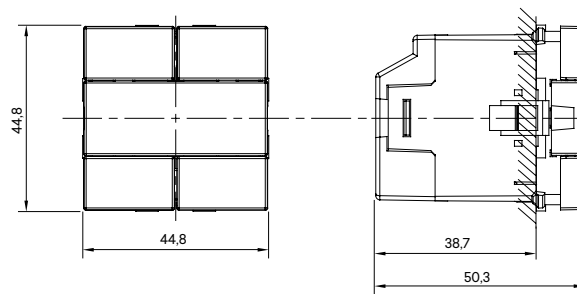
Operation

Press each key to close the circuit.

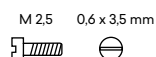
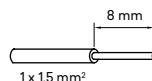
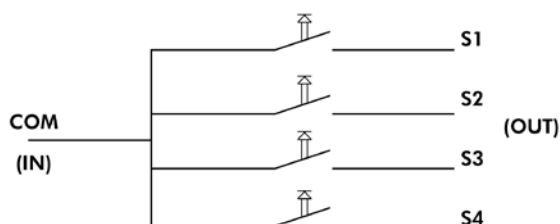
Dimensions MEC 21 (mm)



Dimensions MEC Q45 (mm)



Electrical Diagram



Motion Detectors

Description



MEC 21 Mechanisms

Ref. 21401, 21402

Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

MEC Q45 Mechanisms

Ref. 45401 S, 45402 S

Finishings - QUADRA | SIZA | LATINA

Indication of motion detection in the detector by LED (Red).
Compatible with any load type (Voltage free output contact - NO).
Allows control via external inputs with Push-buttons (NO);
- - starts new timing;
- - switch to ON Manual mode.



Characteristics

Rated voltage: **100-240 V ~ | 50-60 Hz**

Maximum load:

- Ref. 21401, 45401 S - 1000 W

- Ref. 21402, 45402 S - 400 W;

Operating Time Regulation: **5 seconds to 15 minutes**

Consumption: **< 250 mW**

Operation temperature: **-10 °C to +45 °C**

Operation

Automatically controls a circuit depending on motion detection and ambient brightness.

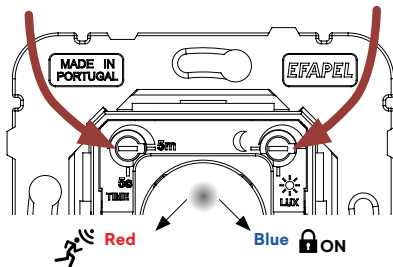
Sensitivity and timing can be adjusted.

Motion detection indicator.

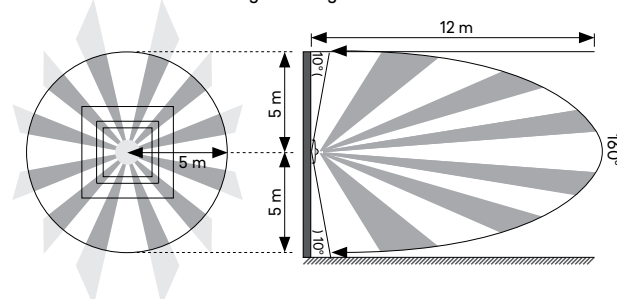
Configuration

Operating Time Regulation

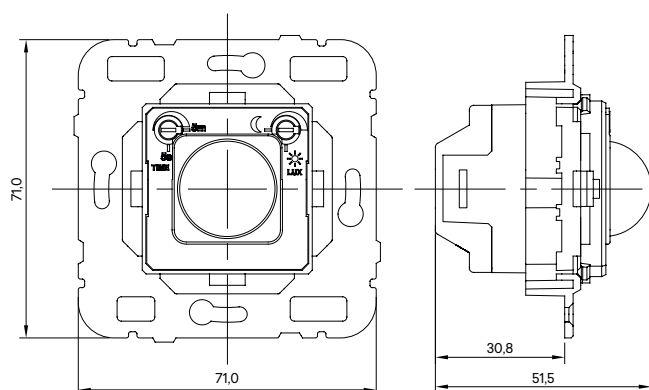
Sensitivity Regulation



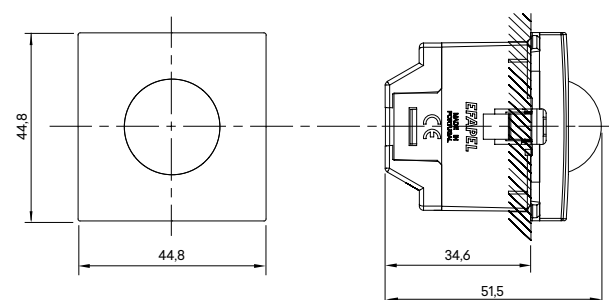
Range and Angle of detection



Dimensions MEC 21 (mm)

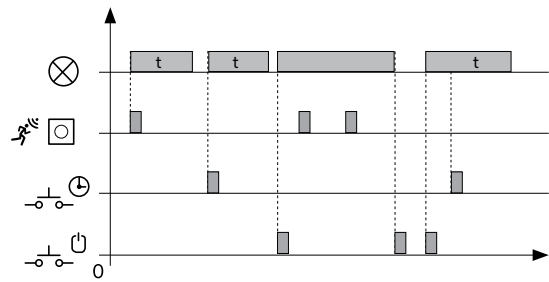


Dimensions MEC Q45 (mm)

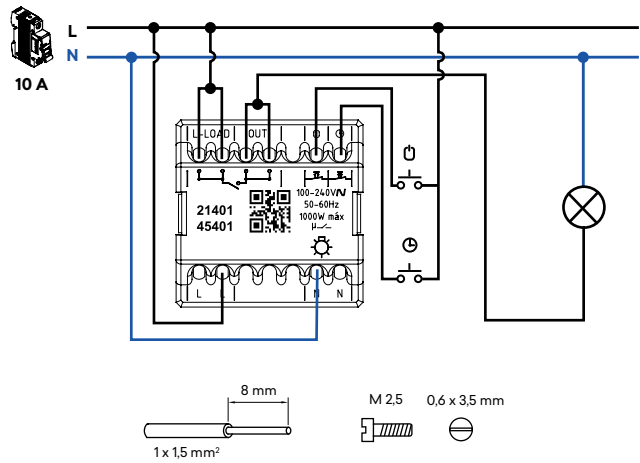


Motion Detectors

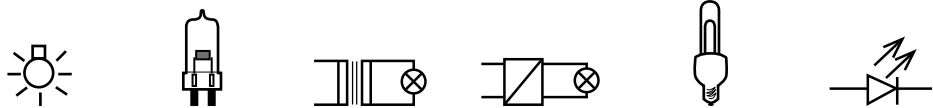
Operation Diagram



Wiring Diagram



maximum recommended loads



Reference	Voltage	Incandescent	Halogen	Ferromagnetic Transformer	Electronic Transformer	Compact	LED
21401 45401 S	100-240 V ~ - 50-60 Hz	1000 W	1000 W	750 VA	750 VA	500 VA	500 VA
21402 45402 S	100-240 V ~ - 50-60 Hz	400 W	400 W	300 VA	300 VA	200 VA	200 VA

Motion Detectors - Wall Installation

Description



MEC 21 Mechanisms

Ref. 21403, 21404

Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

MEC Q45 Mechanisms

Ref. 45403 S, 45404 S

Finishings - QUADRA | SIZA | LATINA

Indication of motion detection in the detector by LED (Red)
Compatible with any load type (Voltage free output contact - NO);
Allows control via external inputs with Push-buttons (NO);
- - starts new timing;
- - switch to ON Manual mode.



Characteristics

Rated voltage: **100-240 V ~ | 50-60 Hz**

Maximum load:

- Ref. 21403, 45403 S - 1000 W

- Ref. 21404, 45404 S - 400 W;

Operating Time Regulation: **5 seconds to 15 minutes**

Consumption: **< 250 mW**

Operation temperature: **-10 °C to +45 °C**

Operation

Automatically controls a circuit depending on motion detection and ambient brightness.

Wall installation.

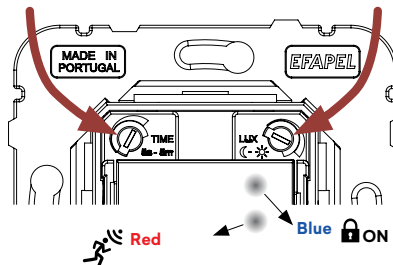
Sensitivity and timing can be adjusted.

Motion detection indicator and front push-button.

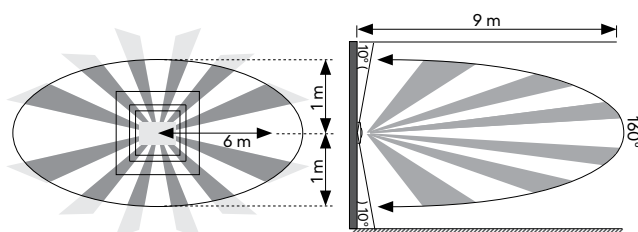
Configuration

Operating Time Regulation

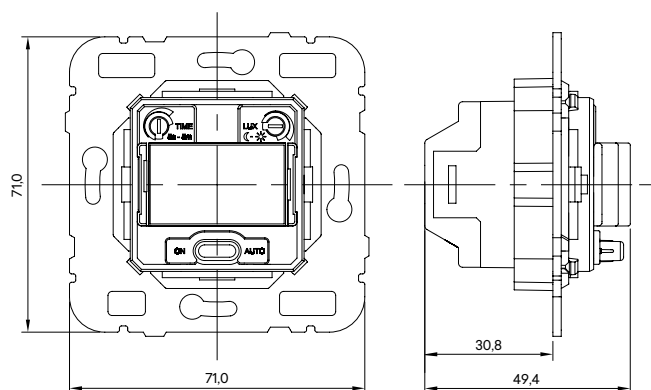
Sensibility Regulation



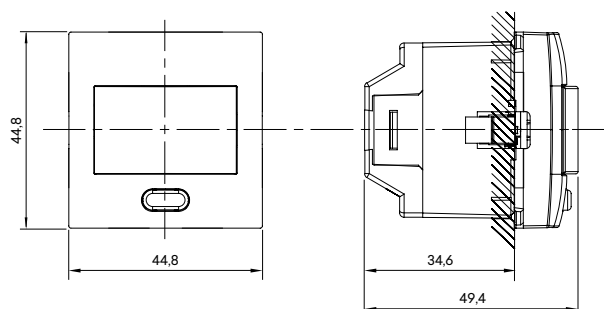
Range and Angle of detection



Dimensions MEC 21 (mm)

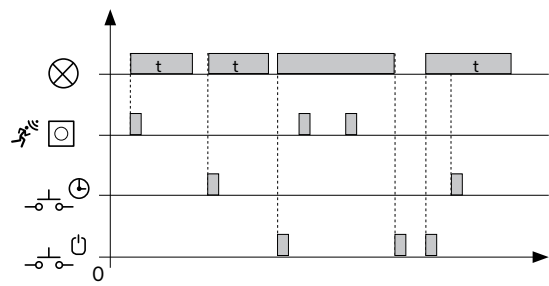


Dimensions MEC Q45 (mm)

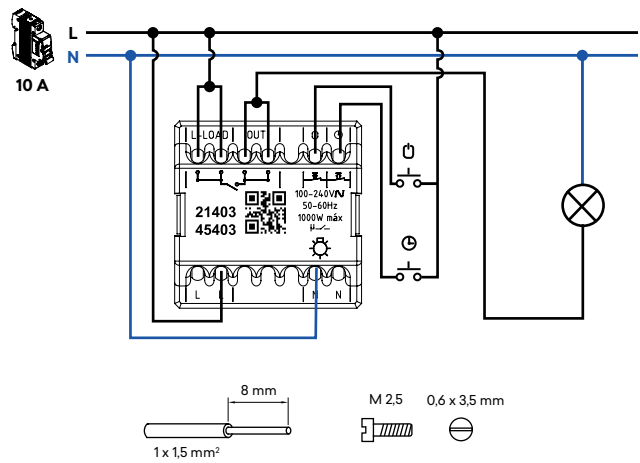


Motion Detectors - Wall Installation

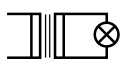
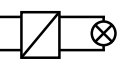
Operation Diagram



Wiring Diagram



Maximum recommended loads

							
Reference	Voltage	Incandescent	Halogen	Ferromagnetic Transformer	Electronic Transformer	Compact	LED
21403 45403 S	100-240 V ~ - 50-60 Hz	1000 W	1000 W	750 VA	750 VA	500 VA	500 VA
21404 45404 S	100-240 V ~ - 50-60 Hz	400 W	400 W	300 VA	300 VA	200 VA	200 VA

Rotary Thermostat

Description



MEC 21 Mechanisms

Ref. 21234

Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

MEC Q45 Mechanisms

Ref. 45234 S

Finishings - QUADRA | SIZA | LATINA



Allows the control of Heating or Cooling systems depending on the set temperature.
Possibility of connecting the Floor Temperature Sensor (Ref. 81950), with automatic self-detection.
Compatible with electrical and hydraulic systems.
Systems control: Heating or Cooling.
Anti Freeze Protection (Heating) and Thermal Protection (Cooling).

Characteristics

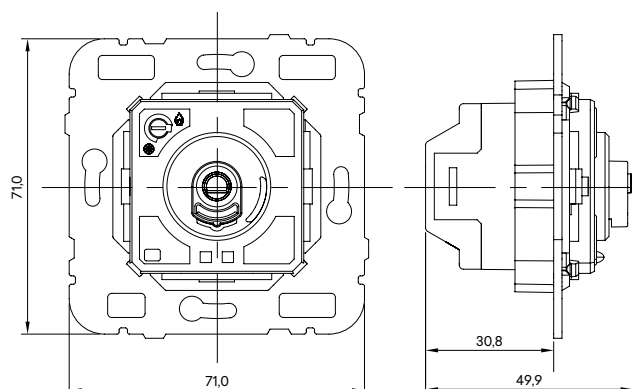
Rated voltage: **100-240 V ~ | 50-60 Hz**
Maximum load: **16 A (cos ϕ = 1)**
Consumption: **< 200 mW**
Operation temperature: **-10 °C to +45 °C**
Temperature adjustment: **+5 °C to +30 °C**
Range of temperature readings: **-9 °C to +35 °C**
Output: **NO**

Operation

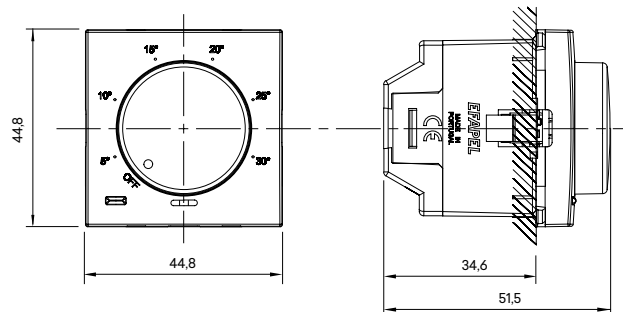
Constant selection and control of the desired ambient temperature through direct push-button setting.

- LED Red – Heating Control
- LED Blue – Cooling Control

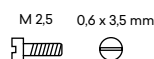
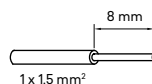
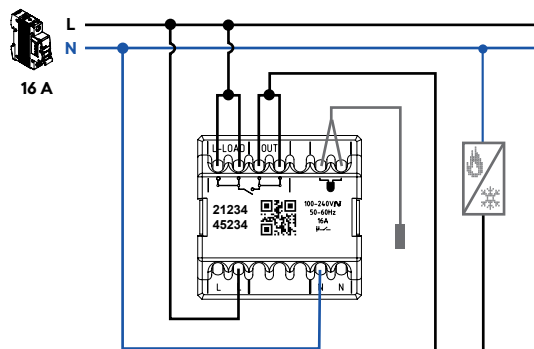
Dimensions MEC 21 (mm)



Dimensions MEC Q45 (mm)



Wiring Diagram (Heating / Cooling)



Multifunctional Thermostat

Description



MEC 21 Mechanism

Ref. 21236

Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

MEC Q45 Mechanism

Ref. 45236 S

Finishings - QUADRA | SIZA | LATINA



Allows the control of Heating or Cooling systems depending on the set temperature.
Possibility of remote control with Multifunctions IR Remote Control Transmitter (Ref. 81900).
Systems control: Heating or Cooling.
Possibility of connecting the Floor Temperature Sensor (Ref. 81950), with automatic self-detection.
Temperature reading: Ambient or Temperature Sensor or both.
Anti Freeze Protection (Heating) and Thermal Protection (Cooling).
Compatible with electrical and hydraulic systems.
Valves protection (hydraulic systems).
Function TIMER (from 15 minutes to 6 hours).
Keys lock.

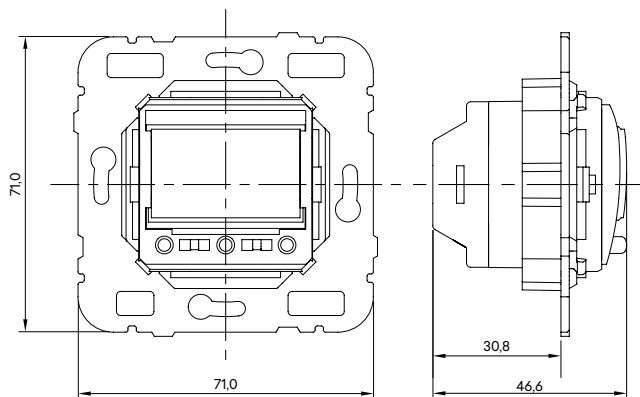
Characteristics

Rated voltage: **100-240 V ~ | 50-60 Hz**
Maximum load: **16 A (cos ϕ = 1)**
Consumption with backlighting: **"ON" < 350 mW**
Consumption with backlighting: **"OFF" < 100 mW**
Operation temperature: **-10 °C to +45 °C**
Temperature control precision: **0,5 °C**
Range of temperature readings: **-9 °C to +35 °C**
Output: **NO**

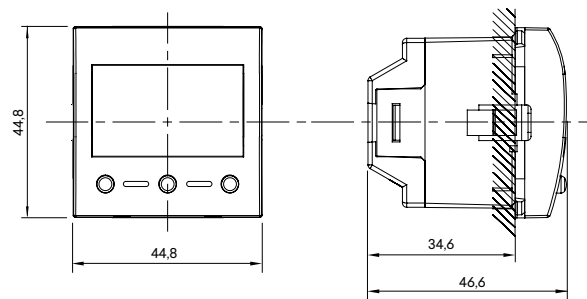
Operation

Selection and control of desired ambient temperature in a constant way.
Allows the adjustment of different parameters in order to obtain the most appropriate control for the needs of the installation (Climatization Type; Installation Type; Type of Control; Temperature Limits; Differential).

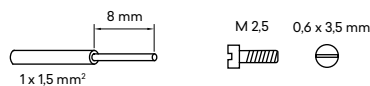
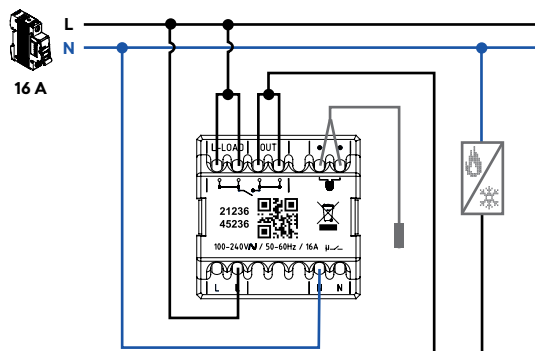
Dimensions MEC 21 (mm)



Dimensions MEC Q45 (mm)



Wiring Diagram (Heating / Cooling)



Multifunctional Chronothermostat

Description



MEC 21 Mechanism

Ref. 21235

Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

MEC Q45 Mechanism

Ref. 45235 S

Finishings - QUADRA | SIZA | LATINA

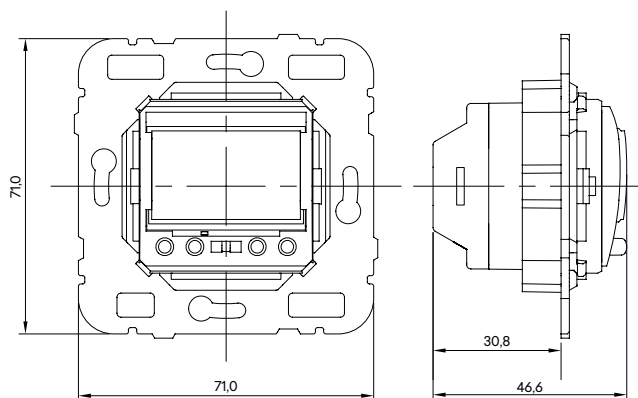
Allows manual and automatic control of the Heating and Cooling system according to daily/weekly programming and pre-programmed temperatures.
Systems control: Heating or Cooling.
Possibility of connecting the Floor Temperature Sensor (Ref. 81950), with automatic self-detection.
Can be programmed for up to 7 periods / temperatures per day.
Temperature reading: Ambient or Temperature Sensor or both.
Anti Freeze Protection (Heating) and Thermal Protection (Cooling).
Compatible with electrical and hydraulic systems.
Valves protection (hydraulic systems).
Function TIMER (from 15 minutes to 6 hours).
Keys lock.



Characteristics

Rated voltage: **100-240 V ~ | 50-60 Hz**
Maximum load: **16 A (cos ϕ = 1)**
Consumption with backlighting: **"ON" < 350 mW**
Consumption with backlighting: **"OFF" < 100 mW**
Operation temperature: **-10 °C to +45 °C**
Temperature control precision: **0,5 °C**
Range of temperature readings: **-9 °C to +35 °C**
Battery Backup: **24 hours**
Output: **NO**

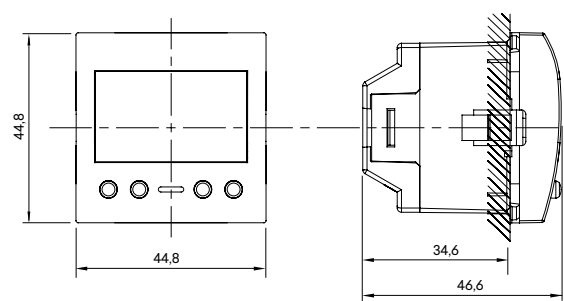
Dimensions MEC 21 (mm)



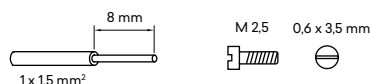
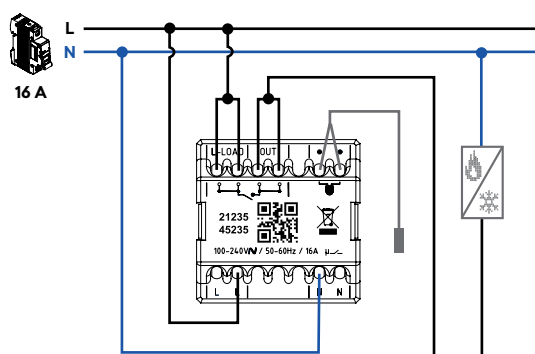
Operation

Programming and control of the desired ambient temperatures for the different periods of the day (up to 7 different temperatures or periods per day) and for the different days of the week.
Allows the adjustment of different parameters in order to obtain the most appropriate control for the needs of the installation (Climatization Type; Installation Type; Type of Control; Temperature Limits; Differential).

Dimensions MEC Q45 (mm)



Wiring Diagram (Heating / Cooling)



Blinds Control

Description



General Blinds Control Module with Infrared Remote Control

MEC 21 Mechanism

Ref. 21311

Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

MEC Q45 Mechanism

Ref. 45311 S

Finishings - QUADRA | SIZA | LATINA

Allows general control of blinds or groups of blinds, either manually or automatically, depending on the programmed time or on the surrounding environmental conditions (wind, sun, etc.) defined by associated external sensors.

Allows local operation.

Possibility of remote control with Multifunctions IR Remote Control Transmitter (Ref. 81900).

Battery Backup: **24 hours**.

Allows to receive sensor signals: **100-240 V ~ (PR1 and PR2)**.

2 programmable functions (Up/Down).

Function "**Stand-By**".



Local Blinds Control Module with Infrared Remote Control

MEC 21 Mechanism

Ref. 21312

Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

MEC Q45 Mechanism

Ref. 45312 S

Finishings - QUADRA | SIZA | LATINA

Allows individual control of blinds.

Allows local operation.

Possibility of remote control with Multifunctions IR Remote Control Transmitter (Ref. 81900).

Characteristics

Rated voltage: **100 V ~ - 240 VA | 50-60 Hz**
240 V ~ - 500 VA | 50-60 Hz

Consumption: **< 0,5 W**

Standby consumption: **< 0,15 W**

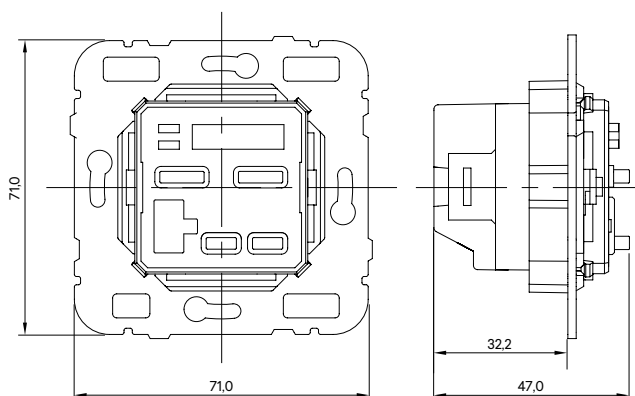
Opening and closing time: **90 seconds**

Operation

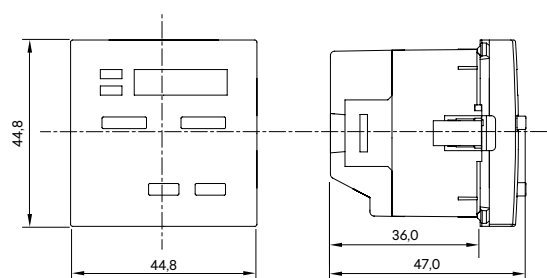
Press the rocker for up/down the blinds.

Programming of two operations for each 24h (only in General Control).

Dimensions MEC 21 (mm)



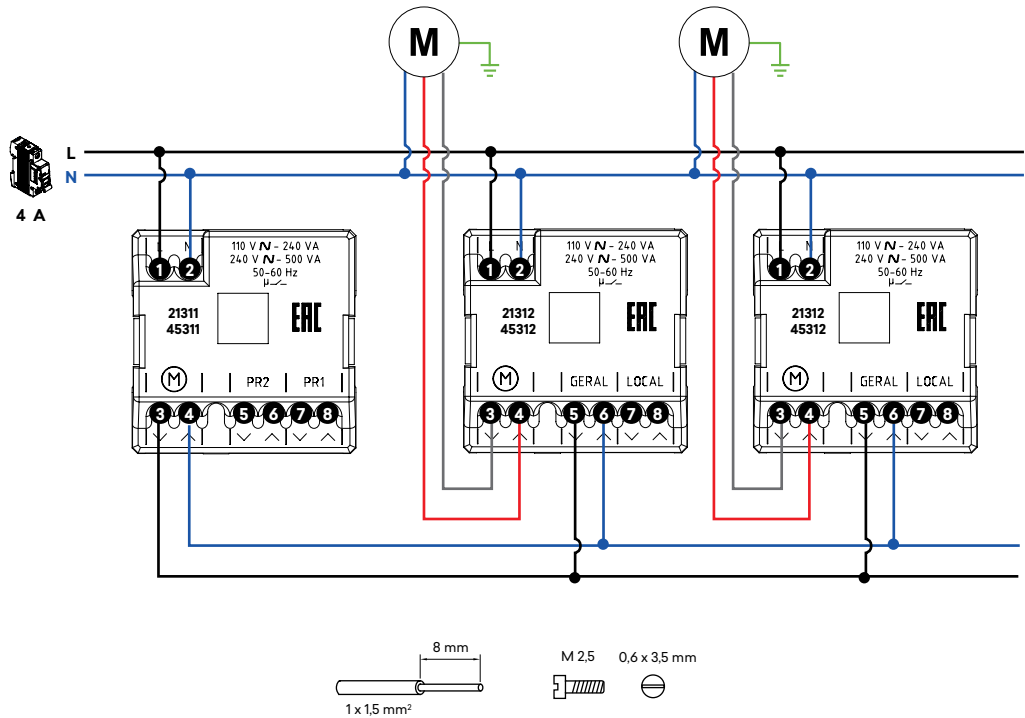
Dimensions MEC Q45 (mm)



Blinds Control

Wiring Diagrams

Blinds Centralized Installation - with Blinds Control



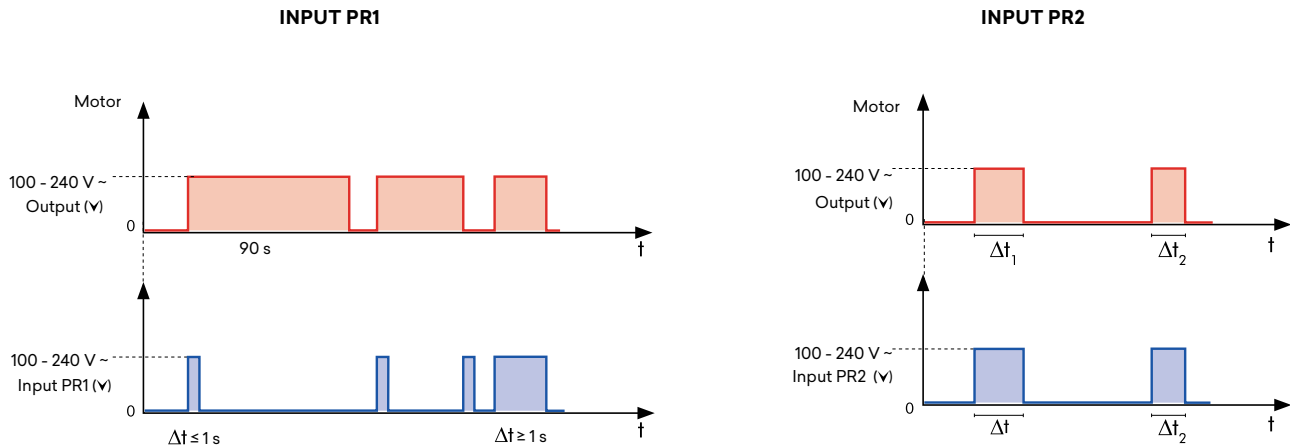
General Blinds Control (G)

- ① ② - Rated voltage (phase; neutral)
- ③ ④ - Local Control Output - ∇ | $\wedge$
- ⑤ ⑥ - Priority signal input 2 (100-240 V ~) - ∇ | $\wedge$
- ⑦ ⑧ - Priority signal input 1 (100-240 V ~) - ∇ | $\wedge$

Local Blinds Control (C1), (C2), ...

- ① ② - Rated voltage (phase; neutral)
- ③ ④ - Motor Output - ∇ | $\wedge$
- ⑤ ⑥ - General Control Input - ∇ | $\wedge$
- ⑦ ⑧ - Local Control Input - ∇ | $\wedge$

Inputs Operation (Example Down ∇)



Note:
Orders given by direct pressing on the device buttons ($\wedge$ ∇) or by devices connected to the priority 1 inputs (Local / PR1), cancel the orders received on the priority 2 inputs (General / PR2).

Blinds Control

Description



Automatic Relay for Blinds Control
Ref. 81512

Allows the general and local control of a group of blinds.
Can be installed into a standard wall box, in the derivation boxes near the blinds or in deep wall boxes and behind the wiring devices installed in the same box.

Temporized



Relay for Blinds Control
Ref. 81511

Only compatible with Venetian Double Push-button for Multiple Points Blinds Control (Ref. 21283 / 45283 S).
Allows the general and local control of a group of blinds.
Can be installed into a standard wall box, in the derivation boxes near the blinds or in deep wall boxes and behind the wiring devices installed in the same box.

Not temporized

Characteristics

Ref. 81512

Rated voltage: **230 V ~ - 50 Hz**
Maximum load: **6 A**
Consumption: **<1 W**
Opening and closing time: **90 seconds**

Protection against two simultaneous orders - Electrical blockage is guaranteed by Relay (Ref. 81512).

Operation

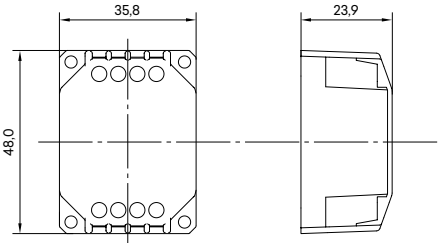
Press the associated buttons to up/down the blinds.

Ref. 81511

Rated voltage: **230 V ~ - 50 Hz**
Maximum load: **6 A**
Consumption: **<1 W**

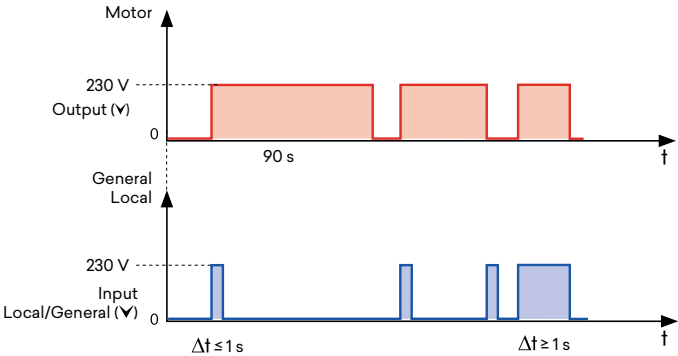
Protection against two simultaneous orders - Electrical blockage is guaranteed by the association of the Relay (Ref. 81511) with the Venetian Double Push-button for Multiple Points Blinds Control (Ref. 21283 / 45283 S).

Dimensions (mm)

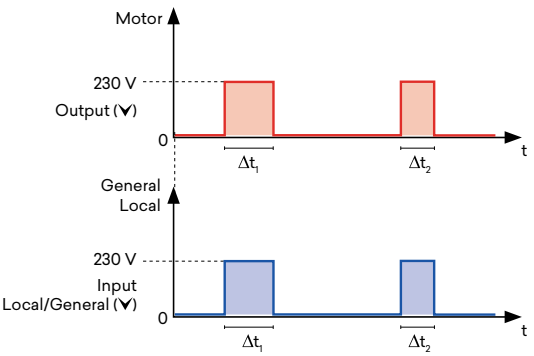


Inputs Operation (Example Down ▼)

Ref. 81512



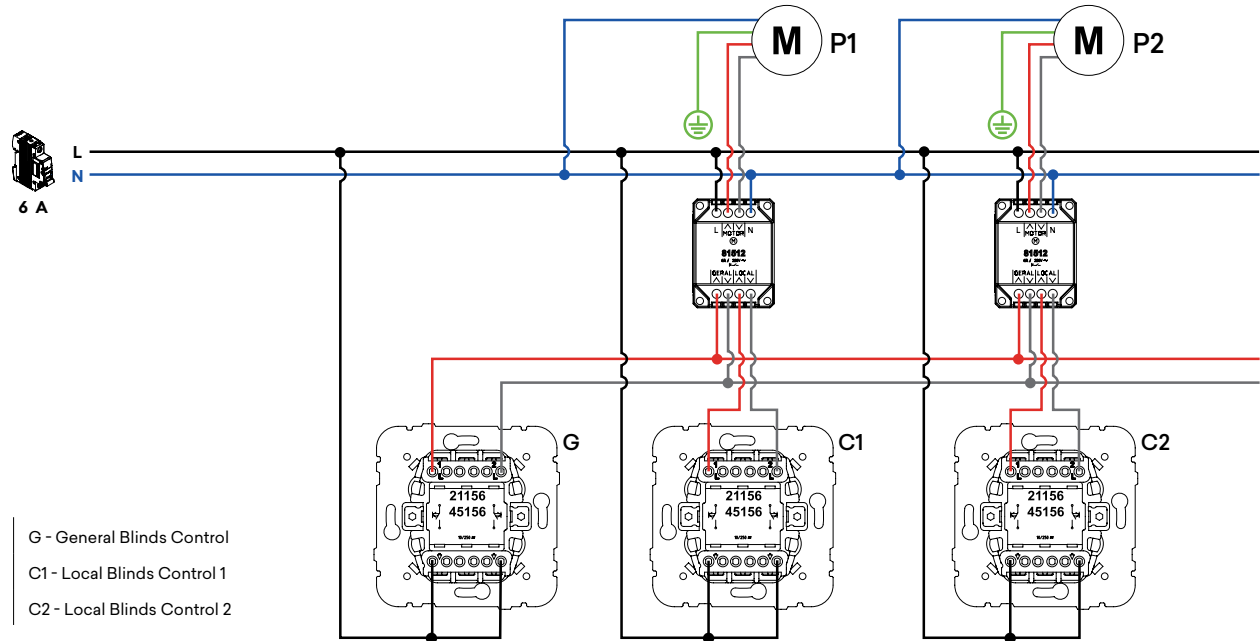
Ref. 81511



Blinds Control

Wiring Diagrams

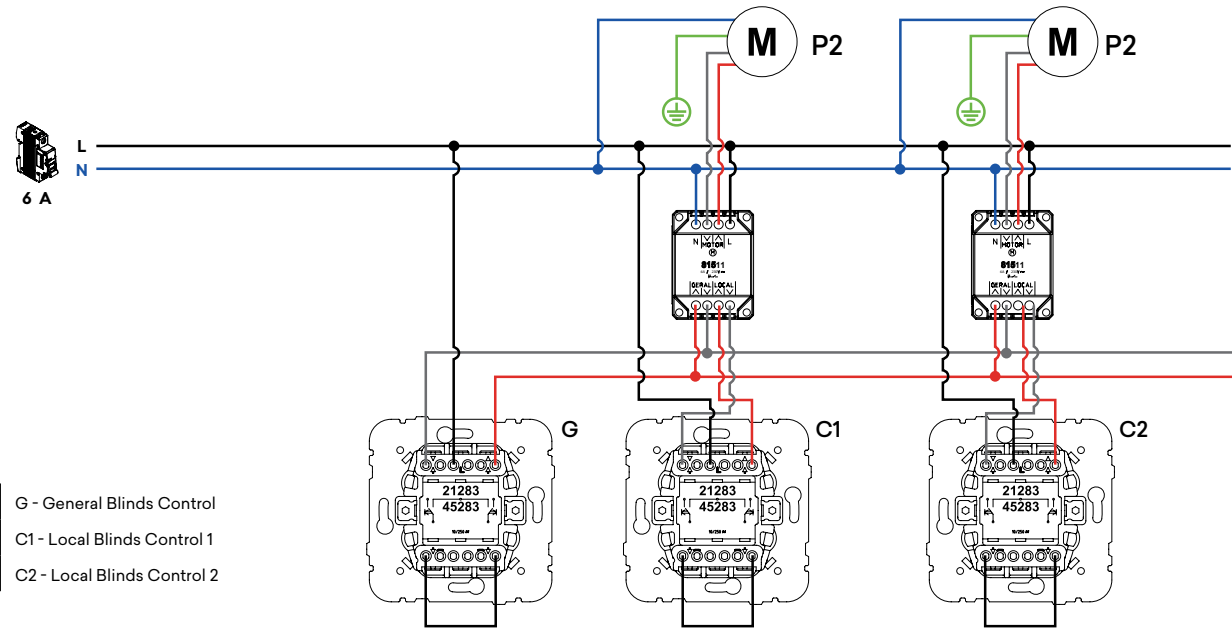
Blinds Centralized Installation - with Automatic Relay for Blinds Control (Ref. 81512)



Note:

The protection against two simultaneous orders of up or down applied in the same device or different devices, is guaranteed by the software of the relay.

Blinds Centralized Installation - with Relay for Blinds Control (Ref. 81511)



Notes:

- It is required to hold down the buttons in order to up / down entirely the blinds.
- The protection against two simultaneous opening and close orders in the same device or different devices is guaranteed by the combination of the mechanism (Ref. 21283 / 45283 S) and the relay (Ref. 81511). For this reason, this relay works only with the mentioned mechanism.

Automatic Relay for Blinds Control (Ref. 81512)

- N - Neutral
- L - Phase
- ▲ - Motor Output - Up
- ▼ - Motor Output - Down
- GENERAL - Inputs from the General Blinds Control
- LOCAL - Inputs from the Local Blinds Control

Relay for Blinds Control (Ref. 81511)

- N - Neutral
- L - Phase
- ▲ - Motor Output - Up
- ▼ - Motor Output - Down
- GENERAL - Inputs from the General Blinds Control
- LOCAL - Inputs from the Local Blinds Control

USB Chargers

Description



MEC 21 Mechanisms

Ref. 21381 - USB Double Charger Type A + Type C
Ref. 21382 - USB Double Charger Type C
Ref. 21384 - USB Double Charger Type A with Output 20°
Ref. 21398 - USB Charger Type C Power Delivery
 Finishings - **LOGUS 90** | **APOLO 5000** | **SIRIUS 70**

MEC Q45 Mechanisms

Ref. 45381 S - USB Double Charger Type A + Type C
Ref. 45382 S - USB Double Charger Type C
Ref. 45383 S - USB Charger Type A
Ref. 45384 S - USB Double Charger Type A with Output 20°
Ref. 45387 S - USB Charger Type C
Ref. 45398 S - USB Charger Type C Power Delivery
Ref. 45439 S - USB Double Charger Type A
 Finishings - **QUADRA** | **SIZA** | **LATINA**

100-240 V ~
50-60 Hz

Allows you to power / charge loads powered via USB port, such as mobile phones / smartphones, tablets, powerbanks, etc.

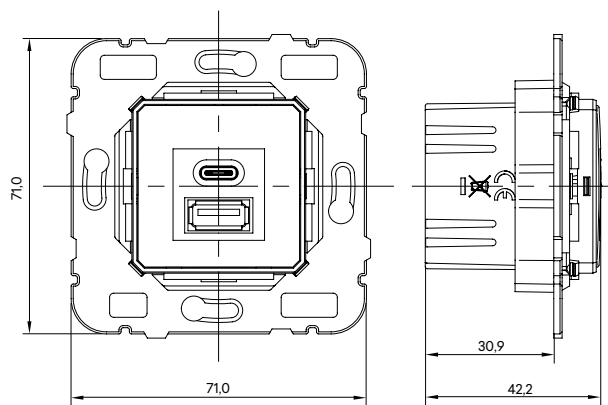
Characteristics

Mechanisms in Technical Thermoplastic - resistant material, non-conductive.

Reference		21381 45381 S	21382 45382 S	21384 45384 S	45383 S	45387 S	45389 S	21398 45398 S
Rated voltage		100-240 V ~ 50-60 Hz						
Output voltage		5 V $\equiv$						
Output power Maximum		21 W	21 W	15 W	7,5 W	12 W	10,5 W	30 W
Input Maximum current		400 mA		300 mA	200 mA	300 mA	250 mA	700 mA
Output current	A	2,4 A	-	3 A	1,5 A	-	2,1 A	-
	C	3 A	3 A 2,1 A / Plug	-	-	2,4 A	-	5 V $\equiv$ / 3 A 9 V $\equiv$ / 3 A 12 V $\equiv$ / 2,5 A 15 V $\equiv$ / 2 A 20 V $\equiv$ / 1,5 A
	A+C	2,1 A / Plug	-					
Efficiency		> 80 %		> 80 %			78 %	> 80 %
Standby consumption		< 0,1 W		< 0,05 W	< 0,1 W	< 0,1 W	0,2 W	< 0,1 W
Output USB		A + C	C + C	A + A	A	C	A + A	C Power Delivery 30 W
Operation temperature		0 °C - +45 °C					-10 °C - +40 °C	0 °C - +45 °C

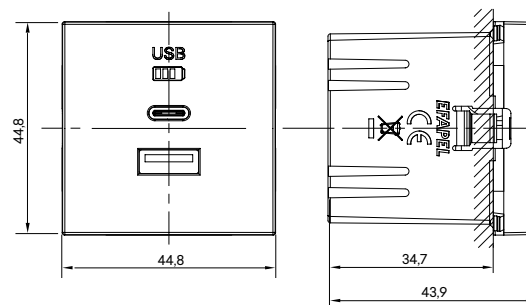
Dimensions MEC 21 (mm)

Ref. 21381



Dimensions MEC Q45 (mm)

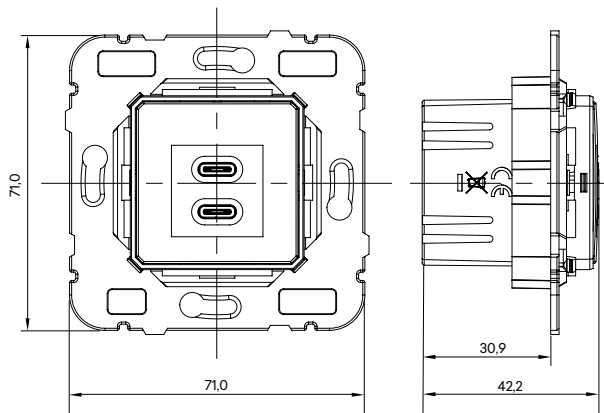
Ref. 45381 S



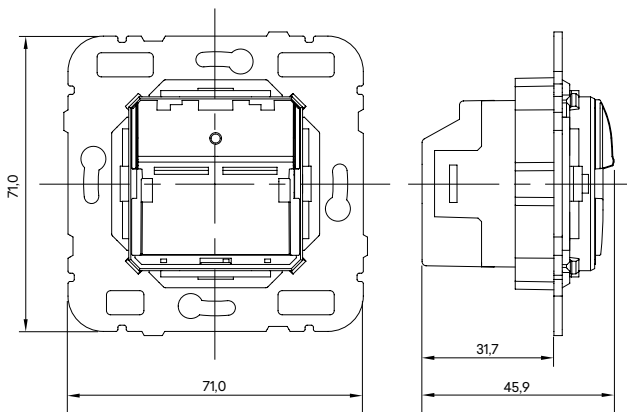
USB Chargers

Dimensions MEC 21 (mm)

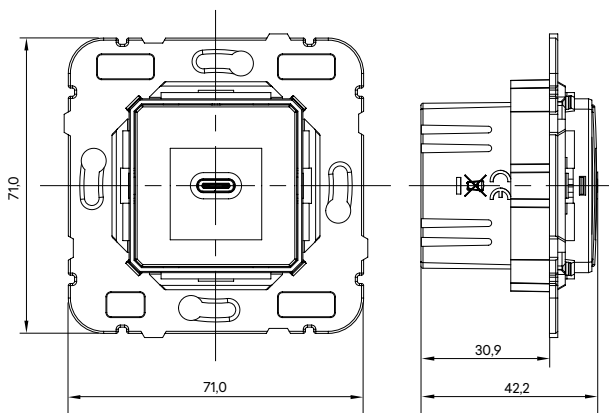
Ref. 21382



Ref. 21384

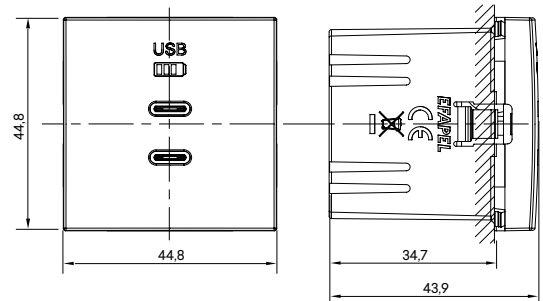


Ref. 21398

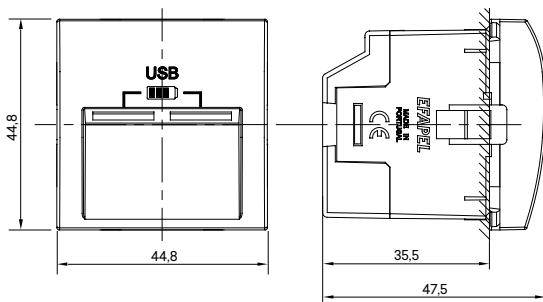


Dimensions MEC Q45 (mm)

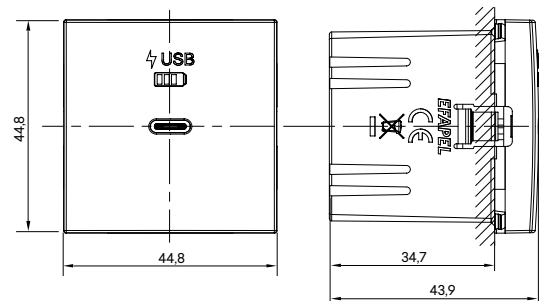
Ref. 45382 S



Ref. 45384 S



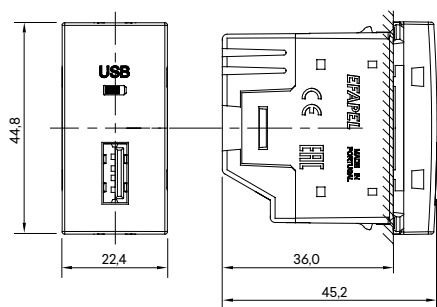
Ref. 45398 S



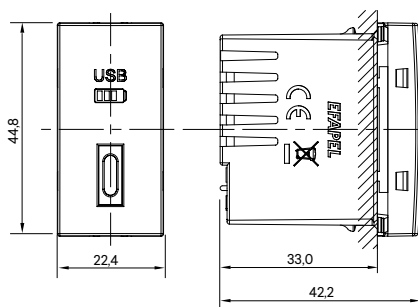
USB Chargers

Dimensions MEC Q45 (mm)

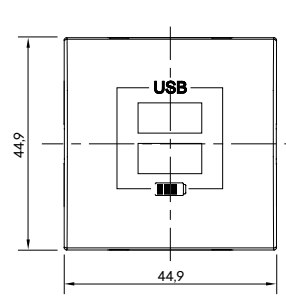
Ref. 45383 S



Ref. 45387 S

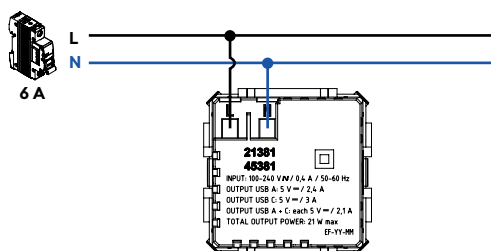


Ref. 45439 S

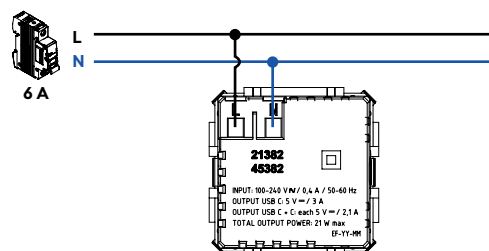


Wiring Diagrams

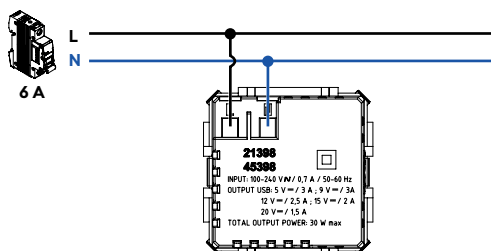
Ref. 21381 | 45381 S



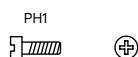
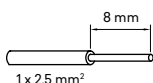
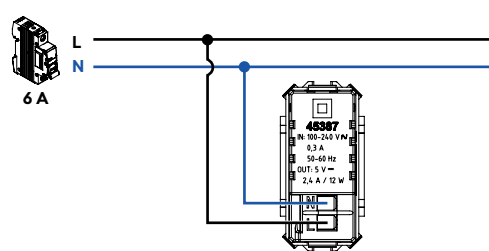
Ref. 21382 | 45382 S



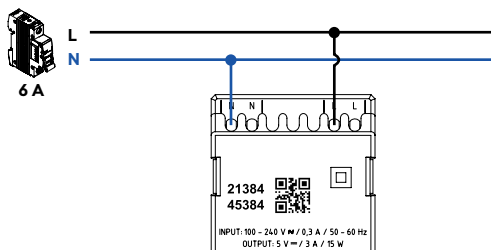
Ref. 21398 | 45398 S



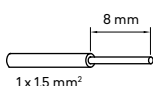
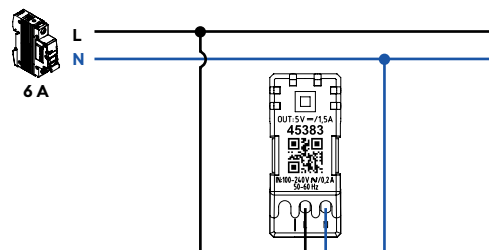
Ref. 45387 S



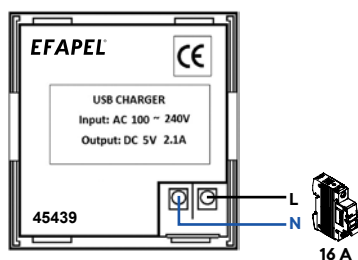
Ref. 21384 | 45384 S



Ref. 45383 S



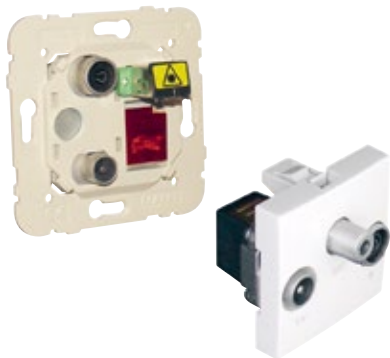
Ref. 45439 S



Screw connection terminals for the recommended wire connection 1.5 mm².

Multimedia Sockets | Radio, Television and Satellite Sockets

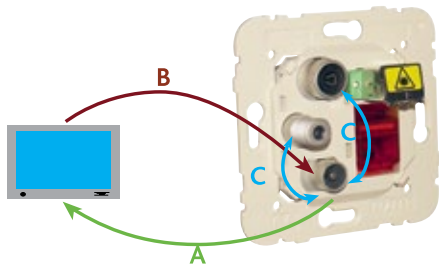
Description



MEC 21 Mechanisms
Ref. 21543, 21544, 21545, 24546, 21533, 21534, 21535, 21554, 21555, 21564, 21565
Finishings - LOGUS 90 | APOLO 5000 | SIRIUS 70

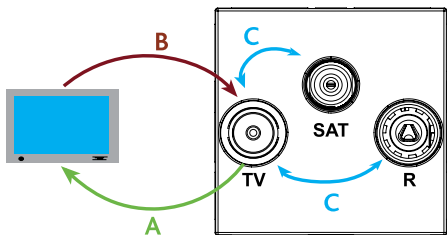
MEC Q45 Mechanisms
Ref. 45543 S, 45553 S, 45554 S, 45555 S, 45564 S, 45565 S
Finishings - QUADRA | SIZA | LATINA

Characteristics MEC 21

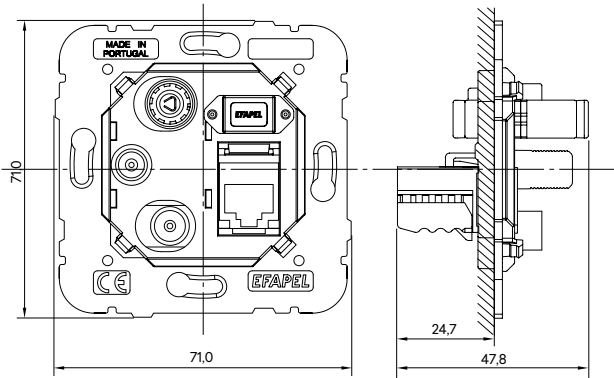


A - Derivation Attenuation
B - Return Losses
C - Insulation between outputs

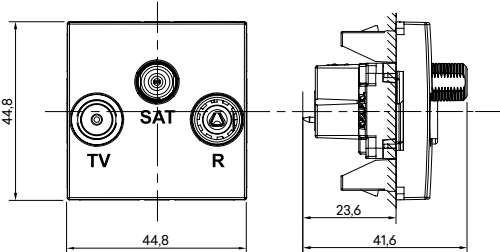
Characteristics MEC Q45



Dimensions MEC 21 (mm)



Dimensions MEC Q45 (mm)

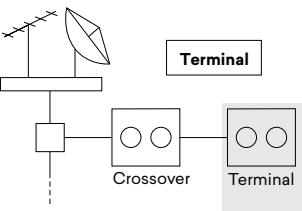
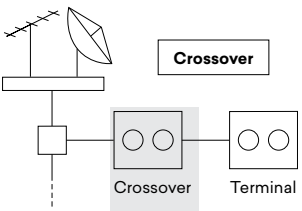


Sockets Types

Type	Reference	RADIO	TV	SAT	FO SC-APC	RJ45 Cat. 6
 Star Connection	21543 45543 S					
	21544					
	21545					
	21546					
	21533 45533 S					
	21534					
	21535					

Multimedia Sockets | Radio, Television and Satellite Sockets

Sockets Types

	Type	Reference	RADIO	TV	SAT	FO SC-APC	RJ45 Cat. 6
Series Connection		21554 45554 S					
		21555 45555 S					
		21564 45564 S					
		21565 45565 S					

LINEAR R-TV-SAT Sockets (Impedance of 75 Ohm)

Reference	Type	Connector	Bands	DERIVATION LOSSES					Insertion losses dB	Insulation between outputs	Return Losses dB	Current Passage
				Return	RADIO	TV	SAT					
				4-47 MHz	47-108 MHz	108-862 MHz	950-2150 MHz	2150-2400 MHz				
21543 21544 21545 21546 45543 S	Star Connection	IEC Female	R	20 ^{±1}	20 ^{±1}	20 ^{±1}	—	—	—	> 20	> 18	—
		IEC Male	TV	2 ^{±1}	2 ^{±1}	2 ^{±1}	—	—				—
		F Female	SAT	—	—	—	3 ^{±1}	3 ^{±1}				(SAT-IN)
21555 45555 S	Terminal	IEC Female	R	15 ^{±1}	15 ^{±1}	15 ^{±1}	—	—	—	> 12	> 18	—
		IEC Male	TV	9 ^{±1}	9 ^{±1}	9 ^{±1}	—	—				—
		F Female	SAT	—	—	—	6 ^{±1}	6 ^{±1}				(SAT-IN)
21565 45565 S	Crossover	IEC Female	R	20 ^{±1}	20 ^{±1}	20 ^{±1}	—	—	< 3	> 12	> 18	—
		IEC Male	TV	10 ^{±1}	10 ^{±1}	10 ^{±1}	—	—				—
		F Female	SAT	—	—	—	11 ^{±1}	11 ^{±1}				((IN-OUT) (SAT-IN))

EQUALIZED R-TV Sockets (Impedance of 75 Ohm)

Ref.	Type	Connector	Bands	DERIVATION LOSSES			Insertion losses dB	Insulation between outputs	Return Losses dB
				Return	RADIO	TV			
				4-47 MHz	47-108 MHz	108-1000 MHz			
21533 21534 21535 45533 S	Star Connection	IEC Female	R	–	2 ^{±1}	–	–	> 20	–
		IEC Male	TV	2 ^{±1}	–	1 ^{±1}			
21554 45554 S	Terminal	IEC Female	R	–	8 ^{±1}	–	–	> 20	> 18
		IEC Male	TV	8 ^{±1}	–	7 ^{±1}			
21564 45564 S	Crossover	IEC Female	R	–	9 ^{±1}	–	< 1,5	> 20	> 18
		IEC Male	TV	9 ^{±1}	–	±1			

Sockets for EV Charging

Description



IP65

IK08

Ref. 81751 - Surface Schuko Socket for EV Charging

Ref. 81752 - Surface French Socket for EV Charging

Characteristics

Mechanisms in Technical Thermoplastic - resistant material, non-conductive.

Energy Sockets (Schuko and French):

Nominal characteristics: **16 A / 250 V ~**

Screw connection

Protection Index: **IP65 / IK08**

In accordance with IEC 60884-1; IEC 62196-1; IEC 61851-1 Standards

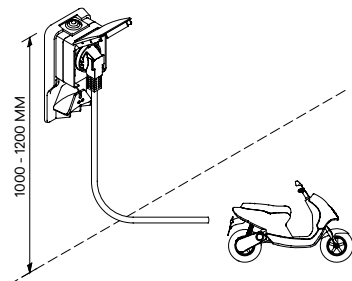
Socket for charging electric vehicles in mode 1 or mode 2

Reinforced socket: **tested with load cycles of 8h at 230 V ~ 16 A**

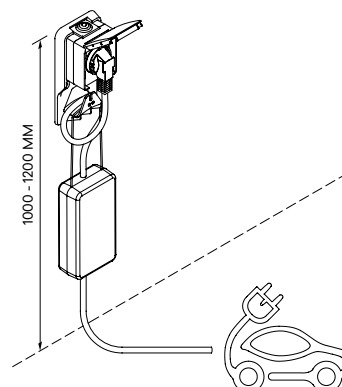
Socket supports currents up to **16 A**, the charging current is limited by the EV and by each country's regulations (8 A to 16 A)

Charging Mode

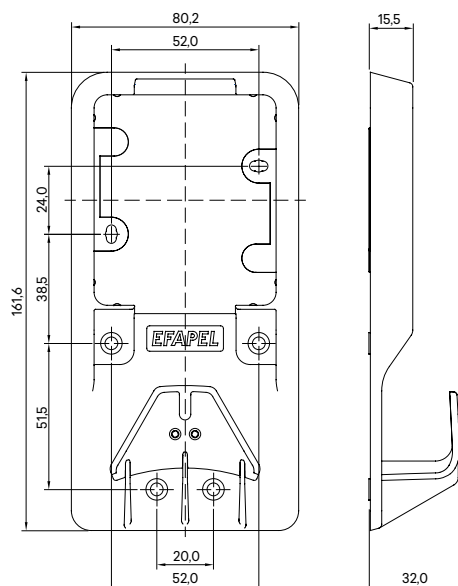
MODE 1



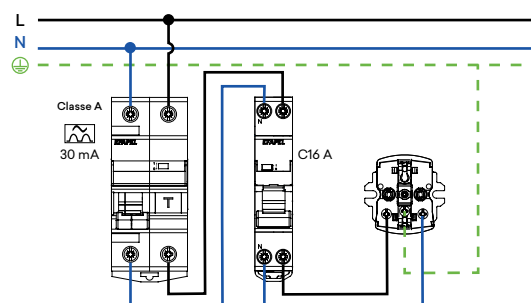
MODE 2



Dimensions (mm)



Wiring Diagram



Installation of only one socket for each dedicated circuit

Sockets for EV Charging

Description



IP44

IK08

Ref. 81132 - Flush Mounting Schuko Socket for EV Charging

Ref. 81112 - Flush Mounting French Socket for EV Charging

Characteristics

Mechanisms in Technical Thermoplastic - resistant material, non-conductive.

Energy Sockets (Schuko and French):

Nominal characteristics: **16 A / 250 V ~**

Screw Connection

Protection Index: **IP44 / IK08**

In accordance with IEC 60884-1; IEC 62196-1; IEC 61851-1 Standards

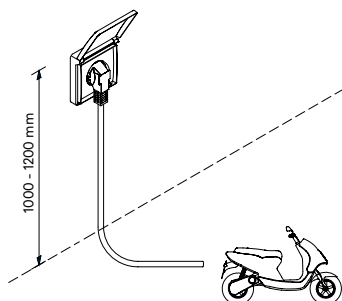
Socket for charging electric vehicles in mode 1 or mode 2

Reinforced socket: tested with load cycles of 8h at 230 V ~ 16 A

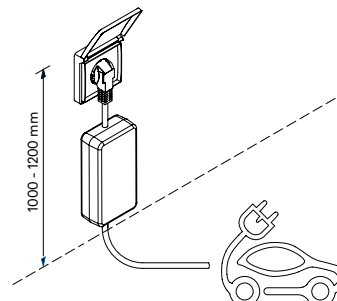
Socket supports currents up to 16 A, the charging current is limited by the EV and by each country's regulations (8 A to 16 A)

Charging Mode

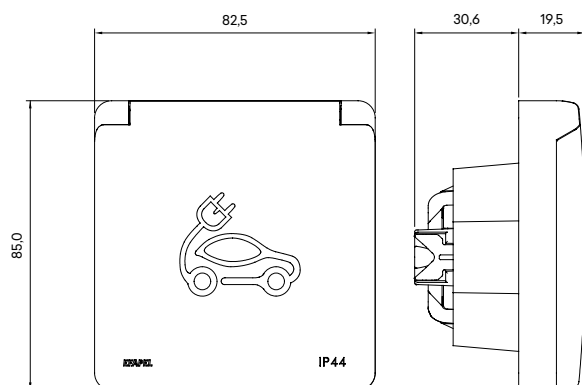
MODE 1



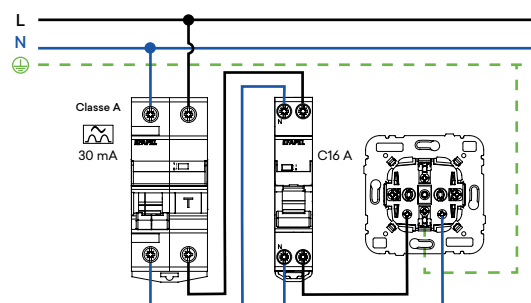
MODE 2



Dimensions (mm)



Wiring Diagram



Installation of only one socket for each dedicated circuit

Installation Selection

Solo (230 V ~)

Composition



Control Units



Loudspeakers

Solo is the **System without Central** - It allows the diffusion and control of sound (FM or Bluetooth*) in a given space through the **Sound Control**.

This system is made up of the following elements:

Control Units
Loudspeakers

* According to the Control Unit version

Orchestra (12 V ~)

Composition



Central



Control Units



Power Supplies



Loudspeakers

It allows the sound diffusion of the same audio signal from an external source connected to the **Central** (USB, Bluetooth or Jack 3,5 mm) through different spaces with individual volume control through the various **Controls Units**.

This system is made up of the following elements:

Central
Control unit
Power supplies
Loudspeakers

Power Supplies

Description



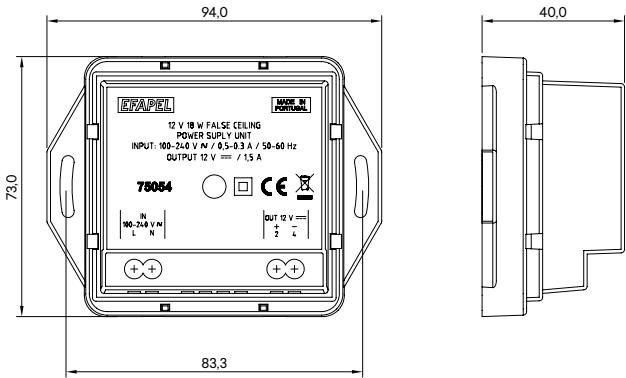
- Ref. 75054 - Power Supply for False Ceiling 12 V $\equiv$ - 18 W
- Ref. 75055 - Power Supply for DIN Rail 12 V $\equiv$ - 24 W
- Ref. 75056 - Power Supply for DIN Rail 12 V $\equiv$ - 54 W

Power Supply for Centralised Surround Sound - 12 V $\equiv$
The Power Supplies are intended to transform the network voltage value, rectify it and supply the Sound Centrals and Controls Units with a voltage of 12 V $\equiv$.

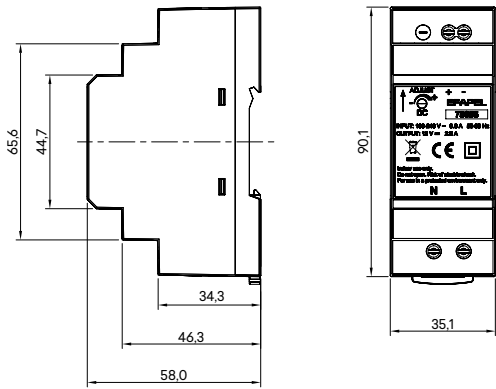
Characteristics

Reference			75054	75055	75056
Input	Voltage	Minimum	90 V ~	85 V ~	85 V ~
		Nominal	100- 240 V ~	100-240 V ~	100-240 V ~
		Maximum	264 V ~	264 V ~	264 V ~
	Frequency		50 – 60 Hz	47 – 63 Hz	47 – 63 Hz
	Maximum consumption		700 mA	900 mA	1200 mA
Output	Voltage	Minimum	10,8 V $\equiv$	10,8 V $\equiv$	10,8 V $\equiv$
		Nominal	12 V $\equiv$	12 V $\equiv$	12 V $\equiv$
		Maximum	13,8 V $\equiv$	13,8 V $\equiv$	13,8 V $\equiv$
	Maximum current		1,5 A	2 A	4,5 A
	Maximum power		18 W	24 W	54 W
Installation type			False Ceiling	DIN Rail / Panelboards	DIN Rail / Panelboards
Maximum number of control units			1 Central + 2 Local Control Units	1 Central + 4 Local Control Units	1 Central + 8 Local Control Units
Observations			The piping to supply electrical energy to the sound installation must be independent of the others, so as not to be interfered with.		

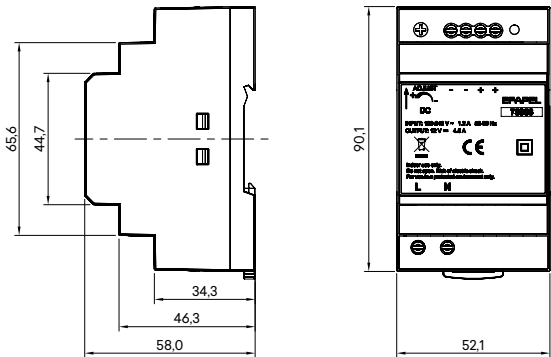
Dimensions - 75054 (mm)



Dimensions - 75055 (mm)



Dimensions - 75056 (mm)



Central 12 V $\equiv$

Description



MEC 21 Mechanism
Ref. 75211 - Central with USB, Bluetooth and 3,5 mm 12 V $\equiv$
Finishings - **LOGUS 90** | **APOLO 5000**

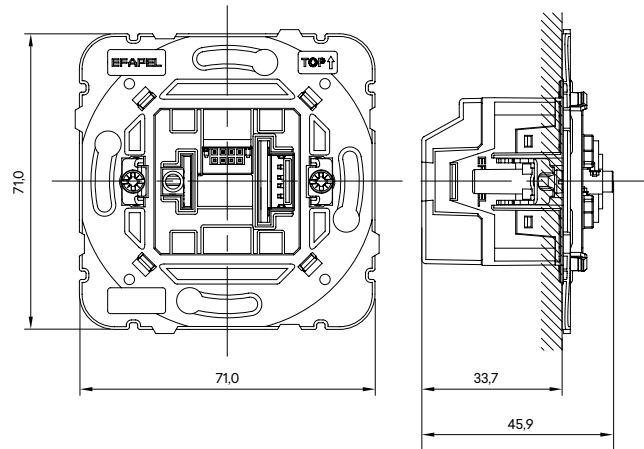
MEC Q45 Mechanism
Ref. 75411 S - Central with USB, Bluetooth and 3,5 mm 12 V $\equiv$ - 2 Modules
Finishings - **QUADRA** | **SIZA** | **LATINA**

Its main function is to receive an audio signal from an external source (USB, Bluetooth and Jack 3,5 mm), package it and send it to all the Sound Control Units in the installation.

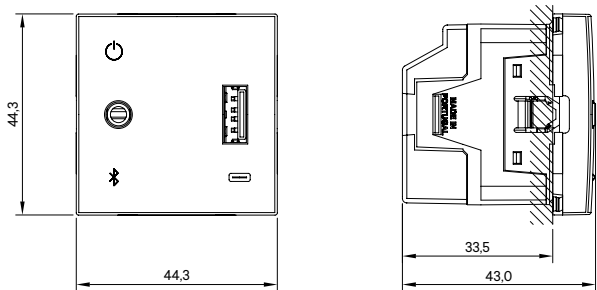
Characteristics

Reference			75211 75411 S
Electrical	Voltage	Minimum	11 V $\equiv$
		Nominal	12 V $\equiv$
	Consumption	Standby	30 mA
		Maximum	60 mA
Audio	Jack 3,5 mm	Sensibility	0,373 Vrms (1,05 Vpp)
	Bluetooth (A2DP)	Range	≤ 10 meters
	USB	Format	.mp3
	Maximum number of control units		8 Local Control Units
	Operation temperature		-10 °C - +45 °C

Dimensions MEC 21 (mm)



Dimensions MEC Q45 (mm)



Control Units 12 V ≡

Description



MEC 21 Mechanisms
Ref. 75220 - Control Unit FM 12 V ≡
Ref. 75221 - Control Unit FM and Bluetooth 12 V ≡
Finishings - **LOGUS 90** | **APOLO 5000**

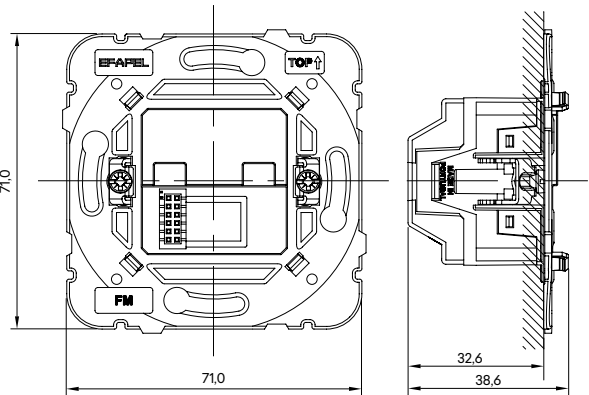
MEC Q45 Mechanisms
Ref. 75420 S - Control Unit FM with Display 12 V ≡ - 2 Modules
Ref. 75421 S - Control Unit FM with Display and Bluetooth 12 V ≡ - 2 Modules
Finishings - **QUADRA** | **SIZA** | **LATINA**

Its main function is to receive the audio signal from the Sound Central, the internal tuner or Bluetooth, amplify it and distribute it to the loudspeakers.

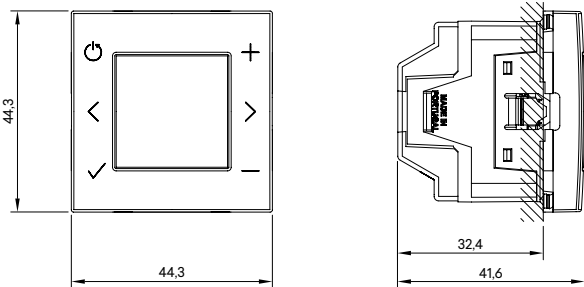
Characteristics

Reference			75220 75420 S		75221 75421 S	
Electrical	Voltage	Minimum	11 V ≡			
		Nominal	12 V ≡			
	Consumption	Standby	12 mA			
		Maximum	< 500 mA			
Audio	FM Band		87.5 - 108.8 MHz			
	Bluetooth (A2DP)	Range	-		≤ 10 meters	
	Frequency response		30 Hz to 17 kHz			
	Maximum output power	Mono	2 W / 8 Ω (RMS)			
		Stereo	2 x 2 W / 8 Ω (RMS)			
Operation temperature			-10 °C - +45 °C			

Dimensions MEC 21 (mm)



Dimensions MEC Q45 (mm)



Amplifier 12 V $\equiv$

Description



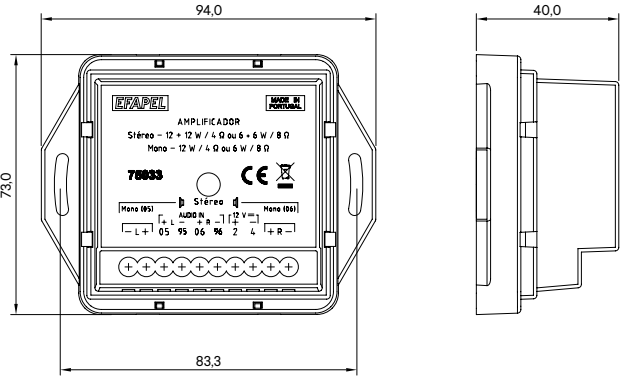
Ref. 75033 - Stereo Amplifier for False Ceiling 12 V $\equiv$

Amplifies the audio signal from a Sound Control Unit when it is necessary more audio power than the supplied by a normal Sound Control Unit.

Characteristics

Reference			75033
Electrical	Input voltage		12 V $\equiv$
	Maximum consumption		900 mA
Audio	Frequency response		35 Hz to 19 kHz
	Maximum output power	Mono	12 W / 4 Ω (RMS) 6 W / 8 Ω (RMS)
		Stereo	12 W + 12 W / 4 Ω (RMS) 6 W + 6 W / 8 Ω (RMS)
		Operation temperature	

Dimensions (mm)



Control Units 230 V ~

Description



MEC 21 Mechanisms
Ref. 75200 - Control Unit FM 230 V ~
Ref. 75201 - Control Unit FM and Bluetooth 230 V ~
Finishings - **LOGUS 90** | **APOLO 5000**

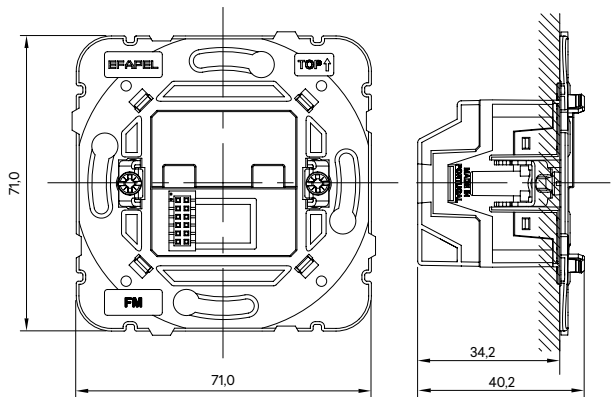
MEC Q45 Mechanisms
Ref. 75400 S - Control Unit FM 230 V ~ - 2 Modules
Ref. 75401 S - Control Unit FM with Display and Bluetooth 230 V ~ - 2 Modules
Finishings - **QUADRA** | **SIZA** | **LATINA**

Their main function is to receive the audio signal from the internal tuner or local external source, (Bluetooth), amplify it and distribute it to the loudspeakers.

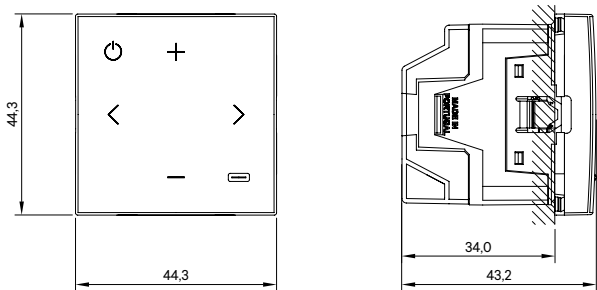
Characteristics

Reference			75200 75400 S		75201 75401 S	
Electrical	Rated voltage		100 - 240 V ~ / 50-60 Hz			
	Consumption	Standby	3,6 mA (< 0,3 W)			
		Maximum	55 mA (6,3 W)			
Audio	FM band		87.5 - 108.8 MHz			
	Bluetooth (A2DP)	Range	-		≤ 10 meters	
	Frequency response		30 Hz to 17 kHz			
	Maximum output power	Mono	2 W / 8 Ω (RMS)			
		Stereo	2 x 2 W / 8 Ω (RMS)			
Operation temperature			-10 °C - +45 °C			

Dimensions MEC 21 (mm)



Dimensions MEC Q45 (mm)



Loudspeakers

Description



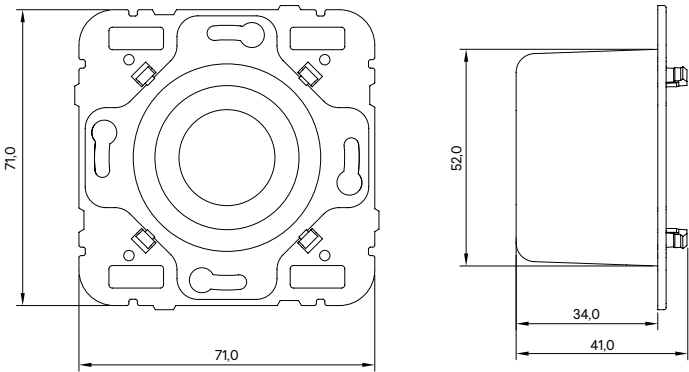
Ref. 75141 | 75142 - Loudspeaker of 2"
Ref. 75131 | 75132 - Loudspeaker of 3"
Ref. 75121 | 75122 - Loudspeaker of 5"
Ref. 75104 C | 75122 C - Surface Mounting Flat 2-Way Loudspeaker of 5"

Their function is to receive the audio signal from the Sound Control Units and transform it into vibrations that are transmitted to the environment, originating sound.

Characteristics

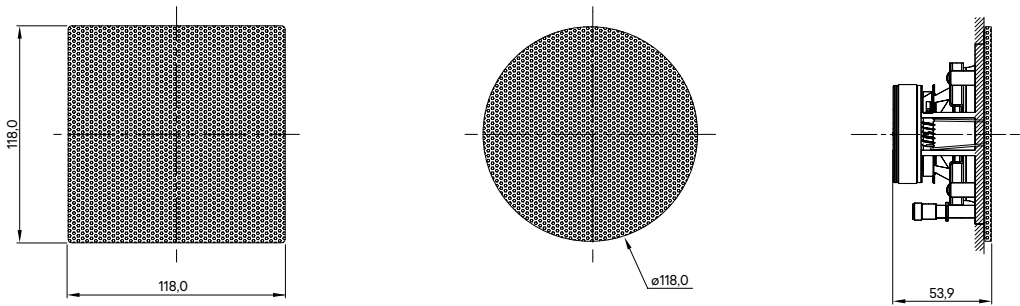
Reference	75141	75142	75131	75132	75121	75122	75104 C	75105 C
Size (Inches)	2"		3"		5"		5"	
Installation	Flush Mounting						Surface Mounting	
Cover Grill	-	-	Round - 75138 T Square - 75139 T		Round - 75128 T Square - 75129 T		-	
Impédance	8 Ohm	16 Ohm	8 Ohm	16 Ohm	8 Ohm	16 Ohm	8 Ohm	16 Ohm
Frequency response	450 - 5000 Hz		130 - 20000 Hz		75 - 20000 Hz		80 - 19000 Hz	
Maximum power	10 W		30 W		50 W		40 W	
RMS	-		20 W		35 W		25 W	

Dimensions - 75141 | 75142 (mm)



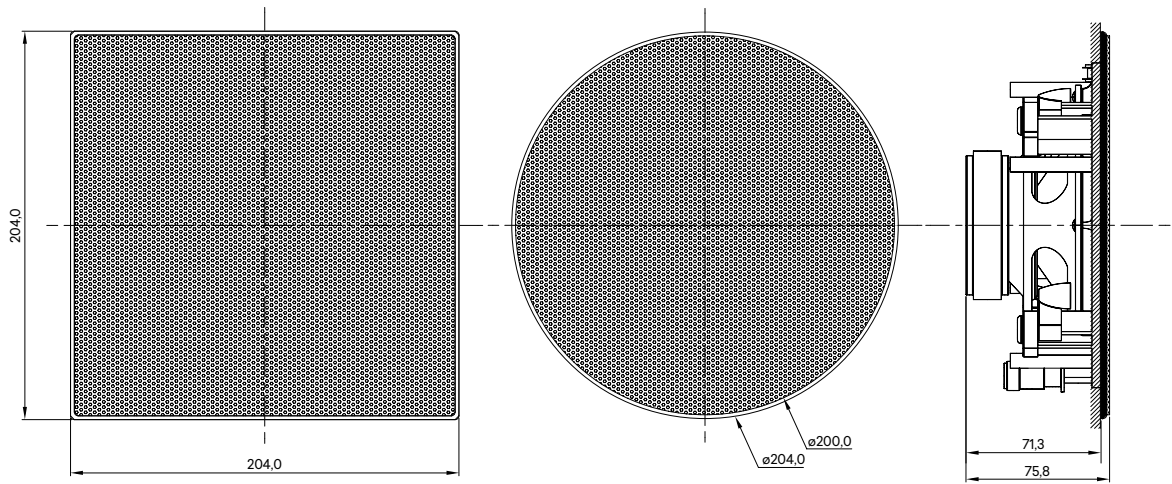
Loudspeakers

Dimensions - 75131 | 75132 (mm)



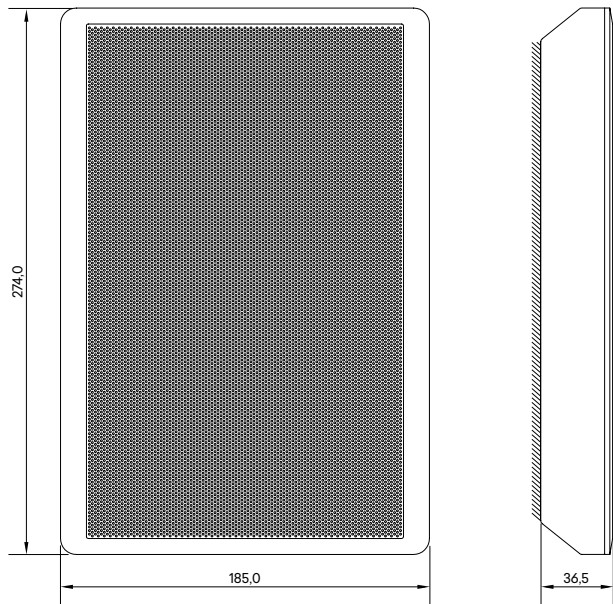
100,0 hole

Dimensions - 75121 | 75122 (mm)



180,0 hole

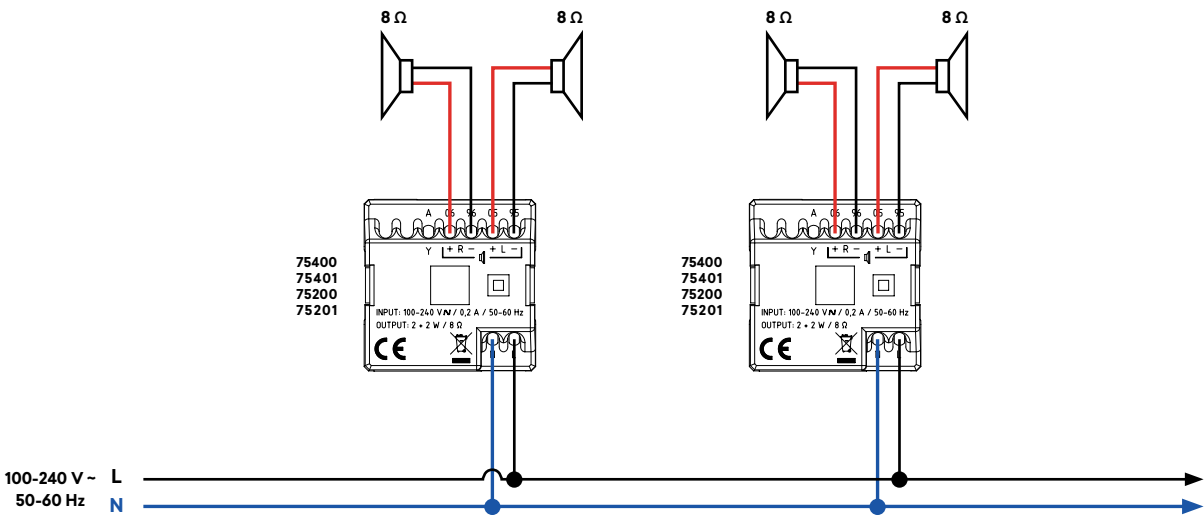
Dimensions - 75104 C | 75105 C (mm)



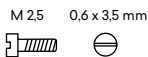
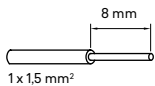
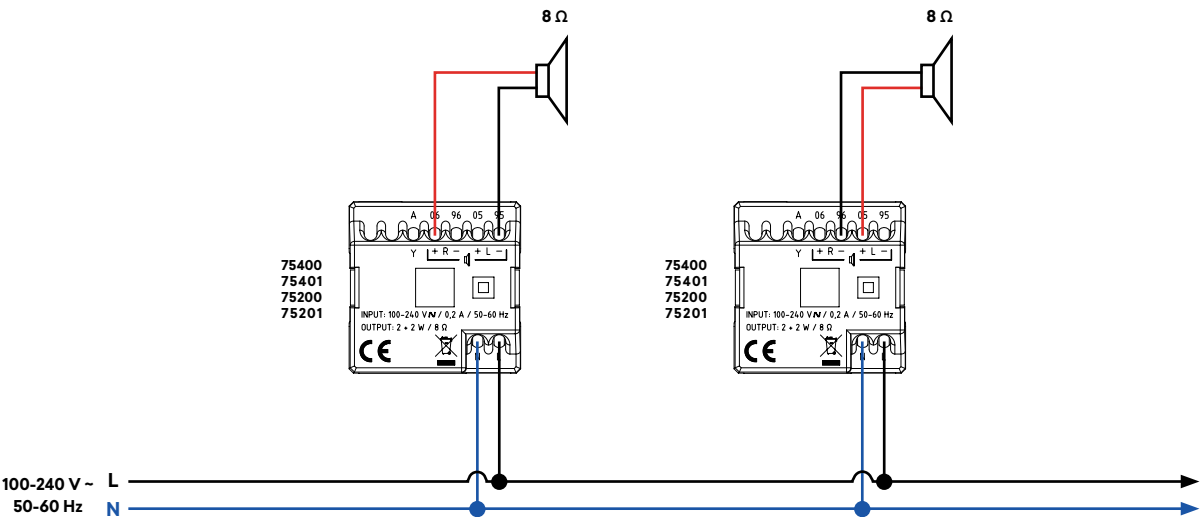
Solo (230 V ~)

Wiring Diagrams

Stereo



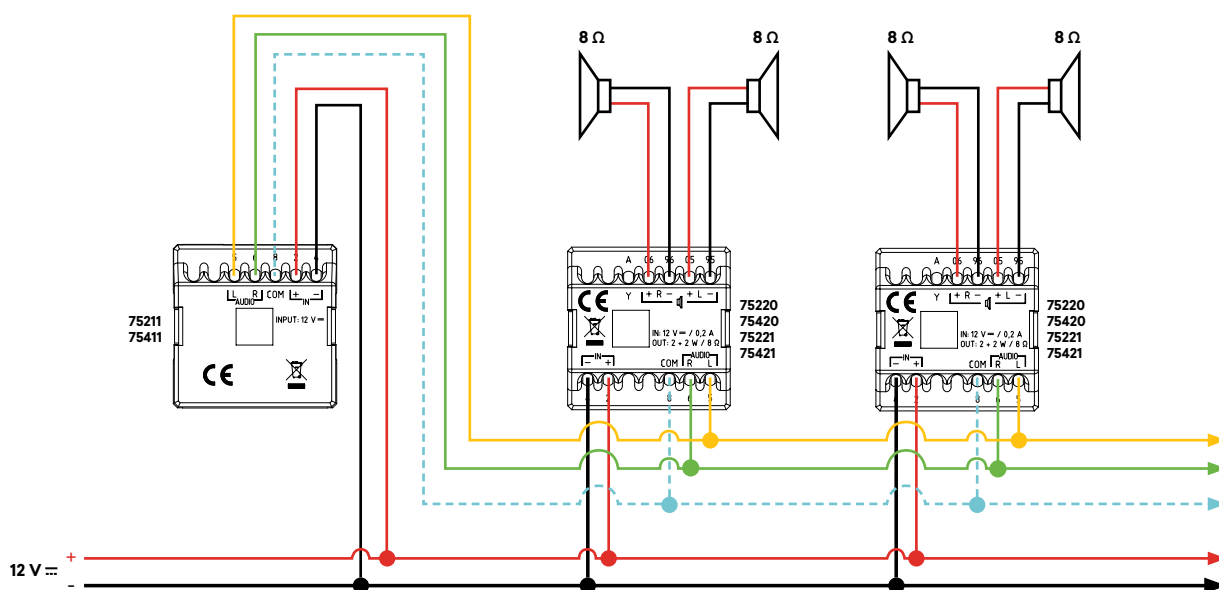
Mono



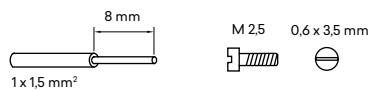
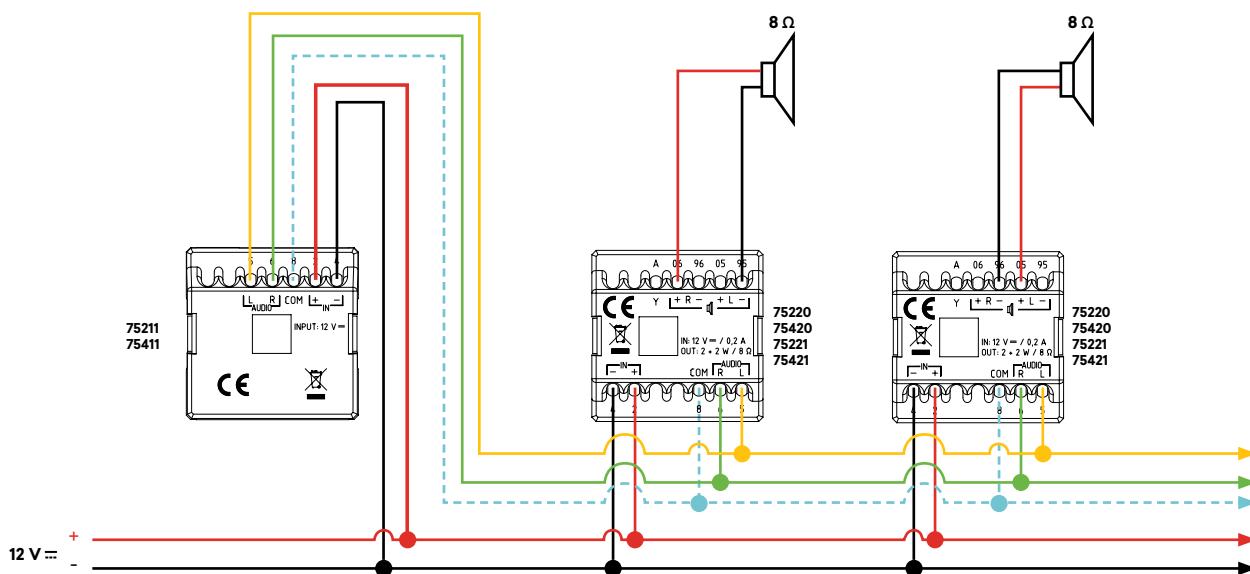
Orchestra (12 V $\equiv$)

Wiring Diagrams

Stereo



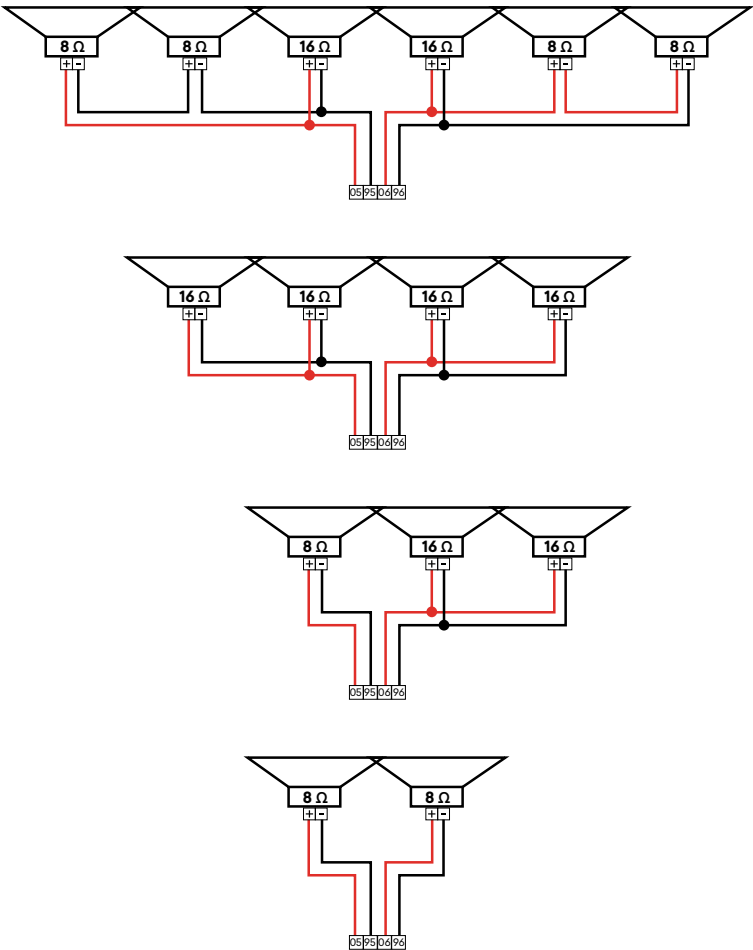
Mono



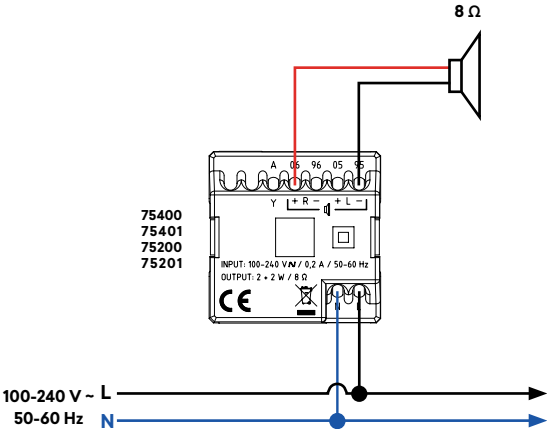
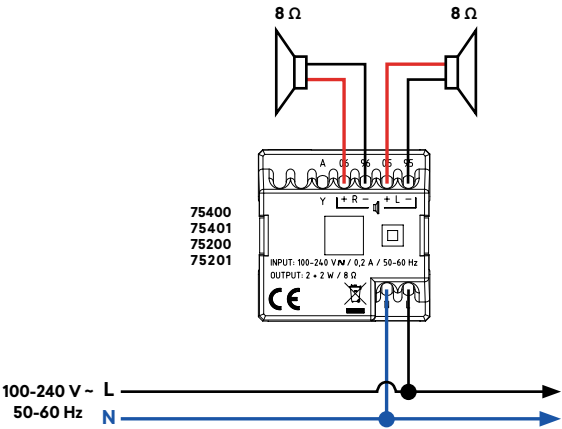
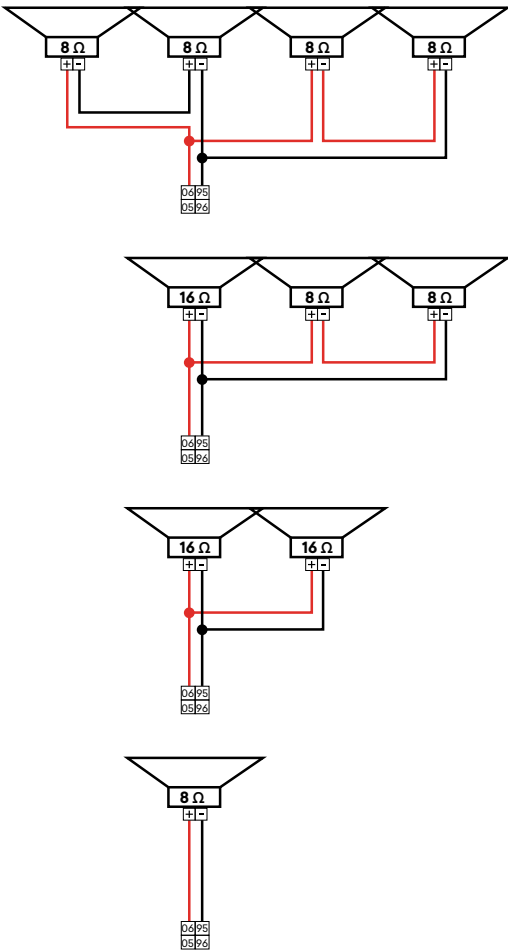
Loudspeakers

Wiring Diagrams

Stereo



Mono

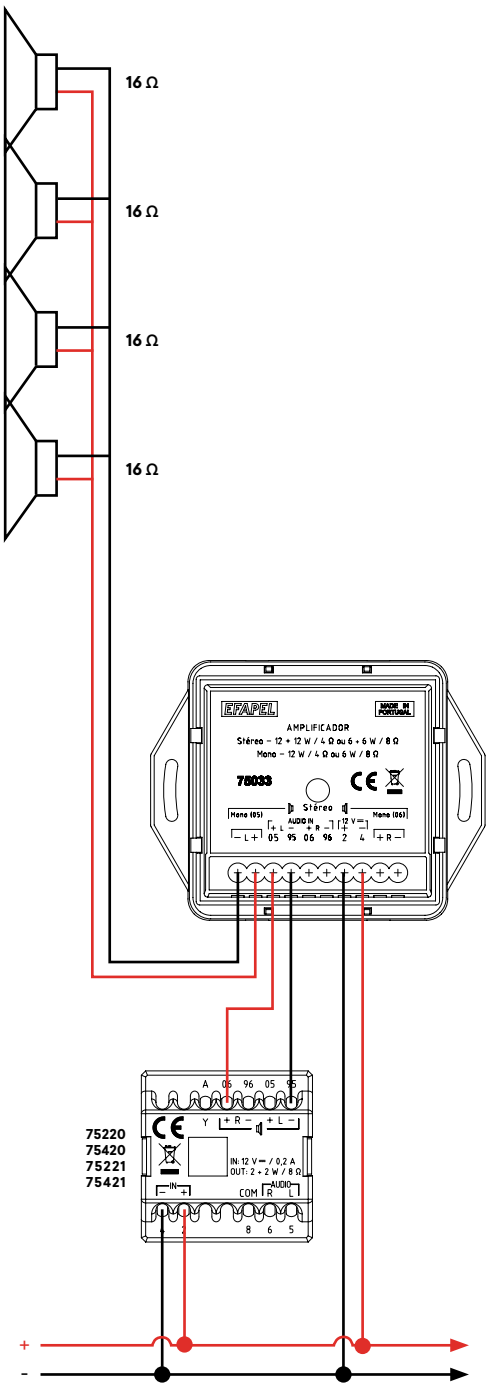
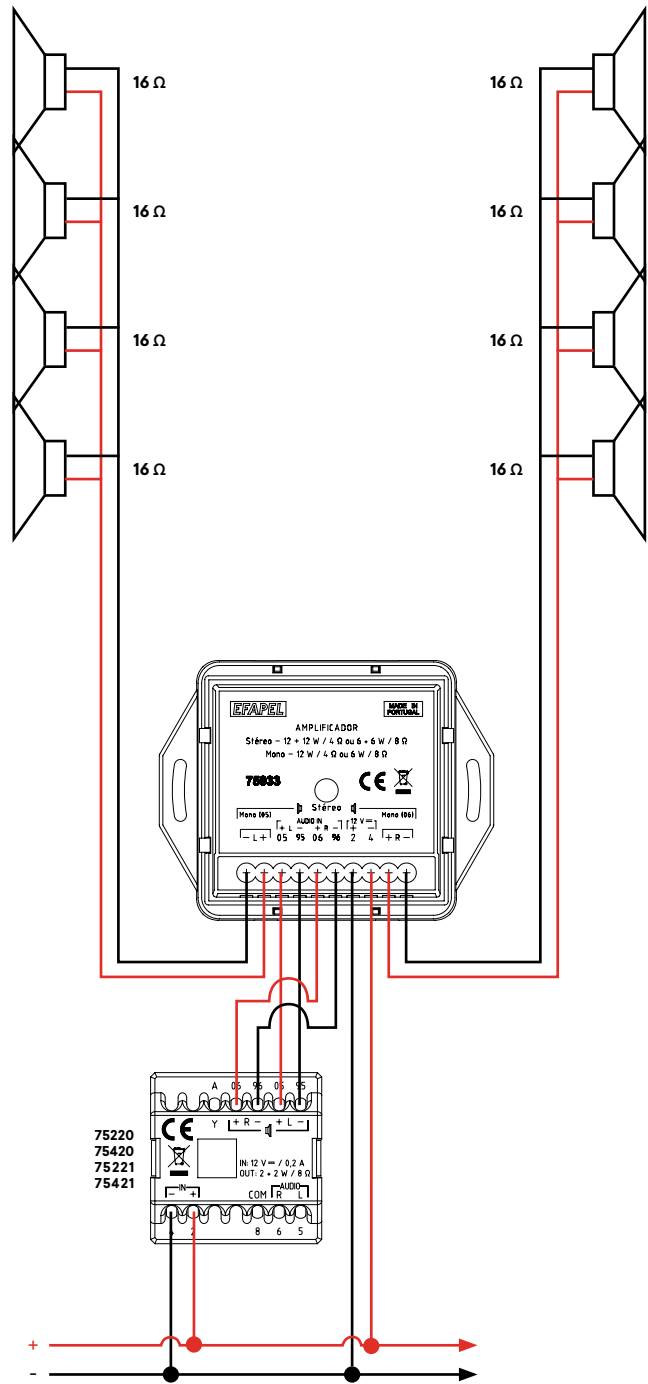


Loudspeakers

Wiring Diagrams

Stereo

Mono



Waterproof Devices

Description



The 48 WATERPROOF Series ensures a **IP65 Protection Degree** in electrical installations in wet and dusty spaces.

Manufactured in technical thermoplastic (**shock resistant**), the 48 WATERPROOF Series is the best solution for installations in garages, gardens, swimming pools, industrial spaces, etc.

BR - White (RAL 9003) and **CZ** - Grey (RAL 7035)

Characteristics

Mechanisms in Technical Thermoplastic - resistant material, non-conductive.

Control Devices

10 A - 250 V~
Screw connection. It allows the usage of rigid and flexible cable.
Pilot Light.
In accordance with IEC/EN 60669-1 Standard, tested according to 19.3:

Relationship between rated current of the switch and rated power of the SBL circuit	
Rated current of the switch, In [A]	Rated power of the SBL circuit [W]
In ≤ 10	100
10 < In ≤ 13	150
13 < In ≤ 16	200
16 < In ≤ 20	250

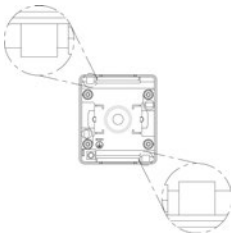
SBL - Self Ballasted Lamp (CFL or LED)

Energy Sockets

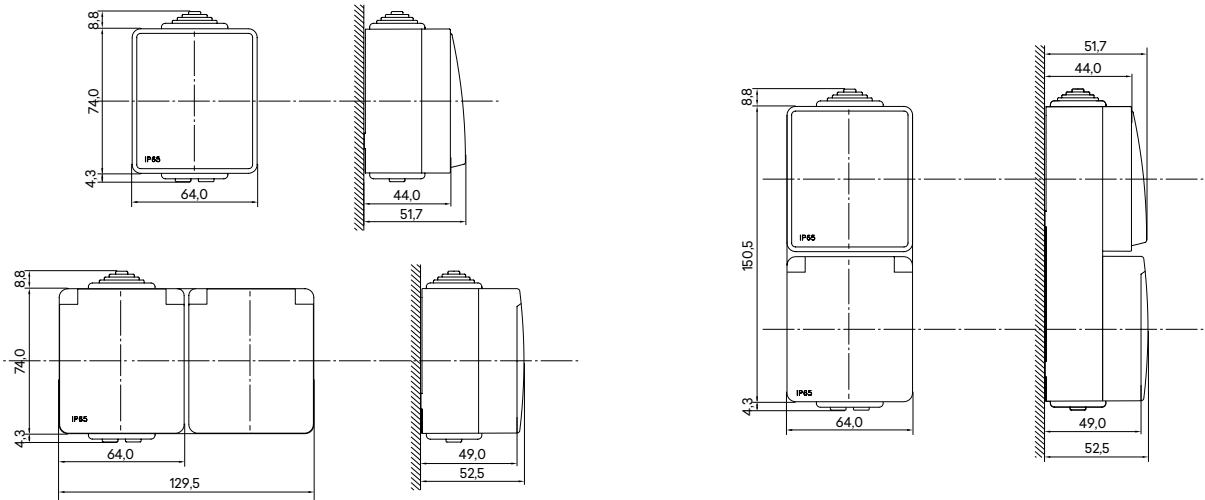
Schuko and French Sockets
16 A - 250 V ~
Screw connection.
In accordance with IEC 60884-1; DIN VDE 0620-1 (Schuko) and NF C 61-314 (French) Standards
Energy Sockets: Single, Double Vertical and Horizontal

Variety of Functions: Control Devices, Blinds Control, Energy Sockets, etc.

Draining Holes: All the products of the WATERPROOF 48 Series have two pre-drilled draining holes.
Depending on the mounting position of the product, the draining hole pointing to the lower part of the base must be open.

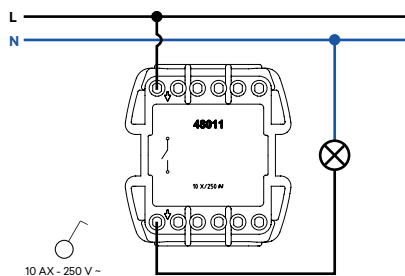


Dimensions (mm)

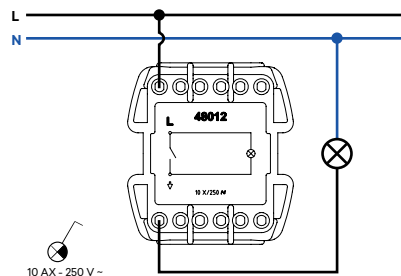


Wiring Diagrams

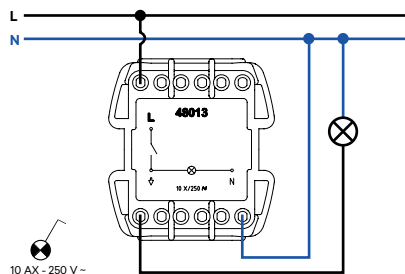
Single Pole Switch



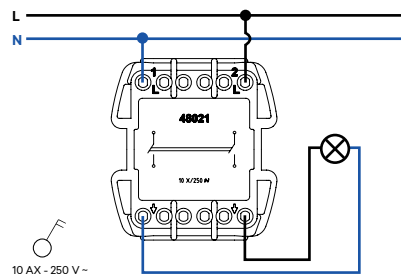
Single Pole Switch with Orienting Light



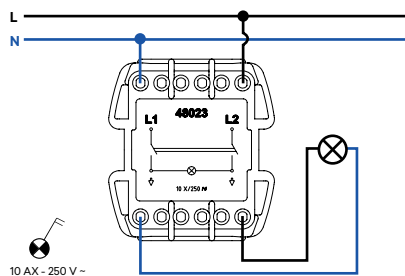
Single Pole Switch with Pilot Lamp



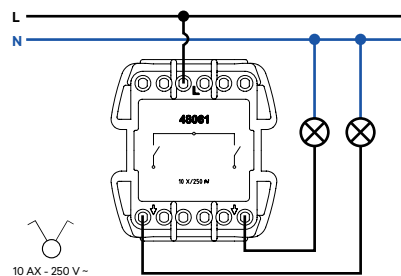
Two-pole Switch



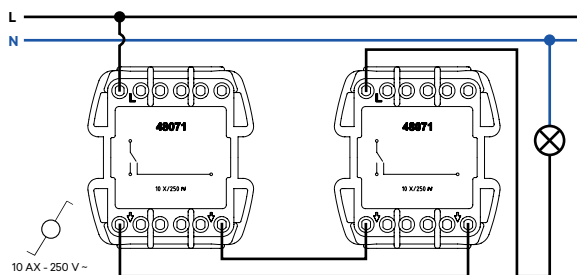
Two-pole Switch with Pilot Lamp



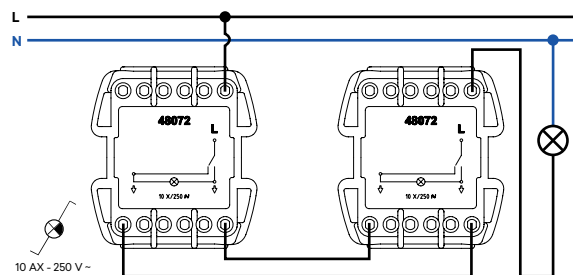
Two Circuits Switch



Two-way Switch

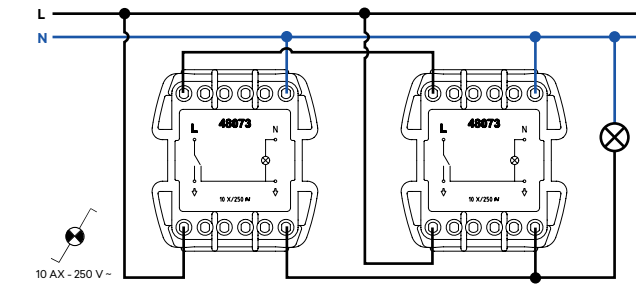


Two-way Switch with Orienting Light

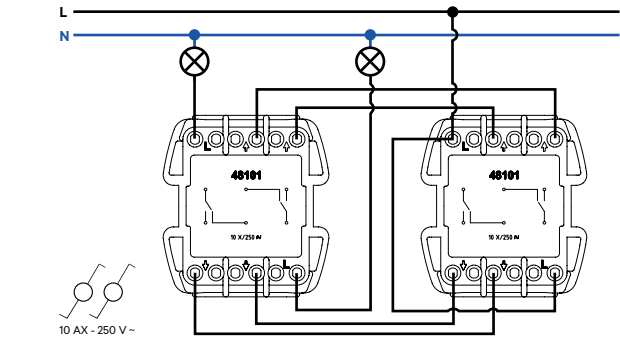


Wiring Diagrams

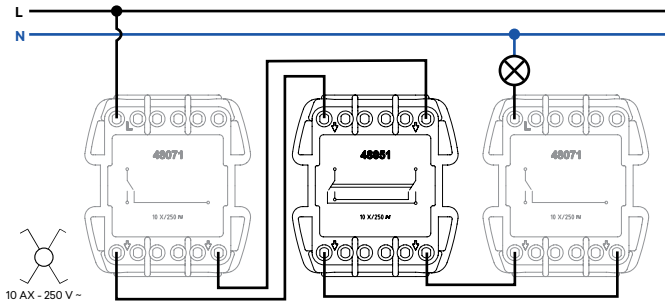
Two-way Switch with Pilot Lamp



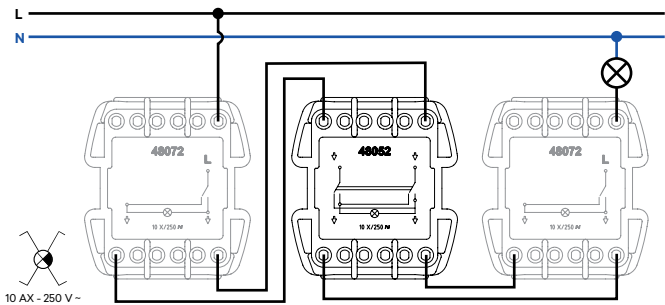
Double Two-way Switch



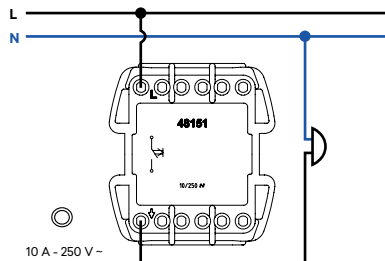
Intermediate Switch



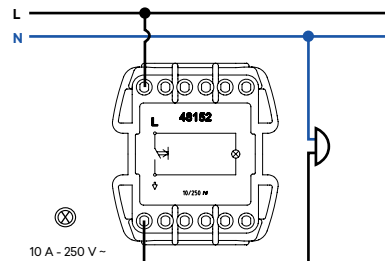
Intermediate Switch with Orienting Light



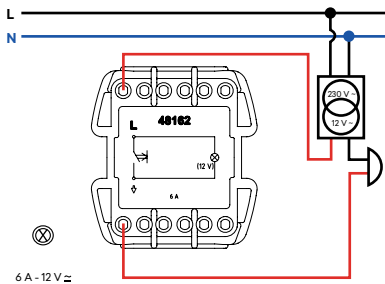
Rocker Push-button



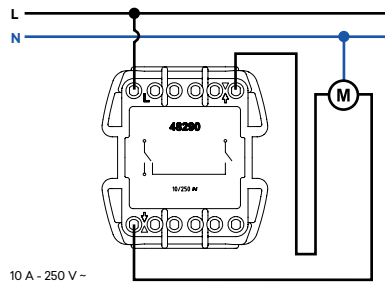
Rocker Push-button with Orienting Light 250 V ~



Rocker Push-button with Orienting Light 12 V =

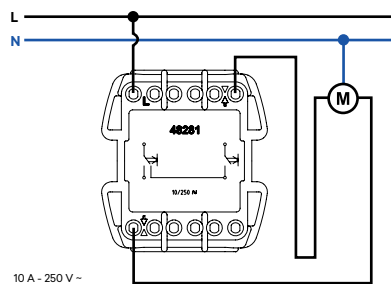


Venetian Switch

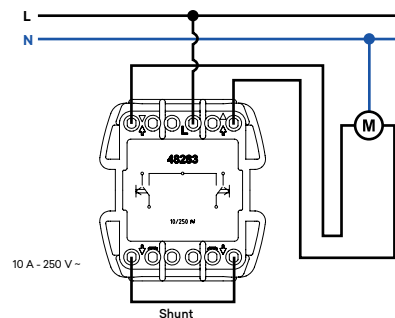


Wiring Diagrams

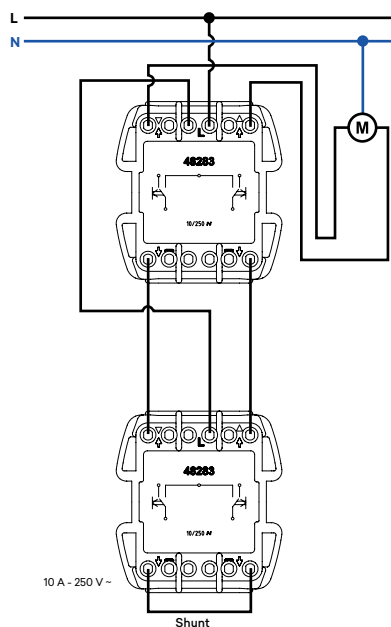
Venetian Double Push-button



**Venetian Double Push-button for Multiple Points Blinds Control
(Control for 1 point)**



**Venetian Double Push-button for Multiple Points Blinds Control
(Control from 2 or several points)**



Surface Mounting Devices

Description



With a discreet design, the **3700** Series is presented as a **versatile option for installations in professional or public spaces** (shops, offices, schools, ...).

To be used in **surface mounting** installations and in installations with the **10 ETS - Cable Trunkings**.

Product sold in complete version.

BR - White (RAL 9003), the same used in EFAPEL Cable Trunkings.

Characteristics

Mechanisms in Technical Thermoplastic - resistant material, non-conductive.

Control Devices

10 A - 250 V~
Screw connection. It allows the usage of rigid and flexible cable.
Pilot Light.
In accordance with IEC/EN 60669-1 Standard, tested according to 19.3:

Relationship between rated current of the switch and rated power of the SBL circuit	
Rated current of the switch, In [A]	Rated power of the SBL circuit [W]
In ≤ 10	100
10 < In ≤ 13	150
13 < In ≤ 16	200
16 < In ≤ 20	250

SBL - Self Ballasted Lamp (CFL or LED)

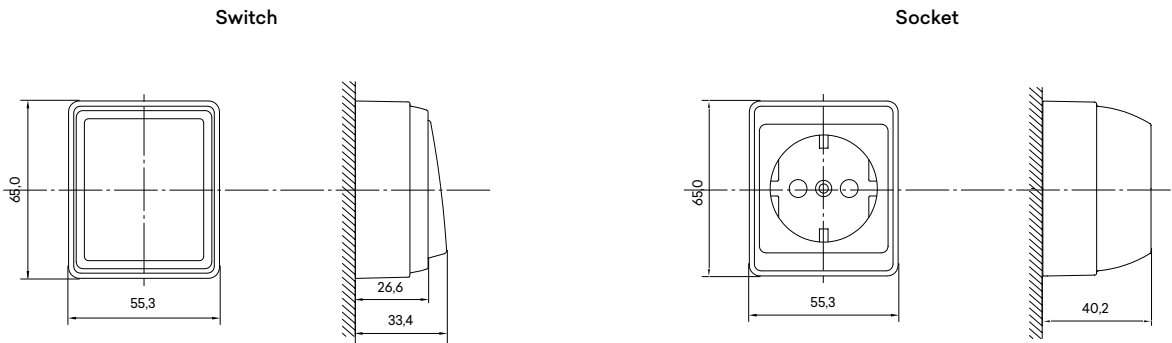
Energy Sockets

Schuko and French Sockets
16 A - 250 V ~
Screw connection.
Available in colors White, Red and Orange
In accordance with IEC 60884-1; DIN VDE 0620-1 (Schuko) and NF C 61-314 (French) Standards

Variety of Functions: Control Devices, Blinds Control, Energy Sockets; Radio, Television and Satellite Sockets, Telephone Sockets, Data Sockets, etc.

Adaptable to all 10 ETS Cable Trunkings - Mini Cable and Skirt using the lateral adapter for each of the cable trunkings.

Dimensions (mm)



Surface Mounting Devices

Description



The **47 Series** was designed to be used in surface mounting electrical installations and with the **10 ETS - Cable Trunkings**.

The **47 Series** is the versatile solution to residential spaces, offices, schools, etc.

Product sold in semi-assembled version.

BR - White (RAL 9003), the same used in EFAPEL Cable Trunkings.

Characteristics

Mechanisms in Technical Thermoplastic - resistant material, non-conductive.

Control Devices

10 A - 250 V~

Screw connection. It allows the usage of rigid and flexible cable.

Pilot Light.

In accordance with IEC/EN 60669-1 Standard, tested according to 19.3:

Relationship between rated current of the switch and rated power of the SBL circuit	
Rated current of the switch, In [A]	Rated power of the SBL circuit [W]
$I_n \leq 10$	100
$10 < I_n \leq 13$	150
$13 < I_n \leq 16$	200
$16 < I_n \leq 20$	250

SBL - Self Ballasted Lamp (CFL or LED)

Energy Sockets

Schuko and French Sockets

16 A - 250 V ~

Screw connection.

Available in colors White, Red and Orange

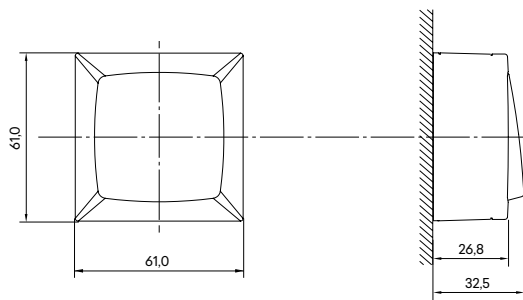
In accordance with IEC 60884-1; DIN VDE 0620-1 (Schuko) and NF C 61-314 (French) Standards

Variety of Functions: Control Devices, Blinds Control, Energy Sockets, Radio, Television and Satellite Sockets, Telephone Sockets, Data Sockets, etc.

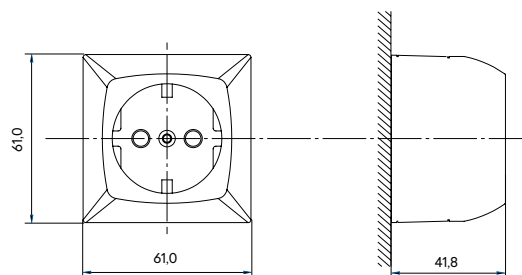
Adaptable to all 10 ETS - Cable Trunkings - Mini Cable and Skirt using the lateral adapter for each of the cable trunkings.

Dimensions (mm)

Switch with Box



Socket with Box



Surface Mounting Devices

Description



The **2600** Series takes us into the past, bringing back the *vintage* trend.

Easy to assemble, the **2600** Series is the ideal product to surface mounting installations and **house remodeling**.

MF - Ivory

Characteristics

Mechanisms in Technical Thermoplastic - resistant material, non-conductive.

Surface mounted devices appliances must be fitted with “a plastic round base” made of insulating material.

Control Devices

10 A - 250 V~

Screw connection. It allows the usage of rigid and flexible cable.

In accordance with IEC/EN 60669-1 Standard, tested according to 19.3:

Relationship between rated current of the switch and rated power of the SBL circuit	
Rated current of the switch, In [A]	Rated power of the SBL circuit [W]
$I_n \leq 10$	100
$10 < I_n \leq 13$	150
$13 < I_n \leq 16$	200
$16 < I_n \leq 20$	250

SBL - Self Ballasted Lamp (CFL or LED)

Energy Sockets

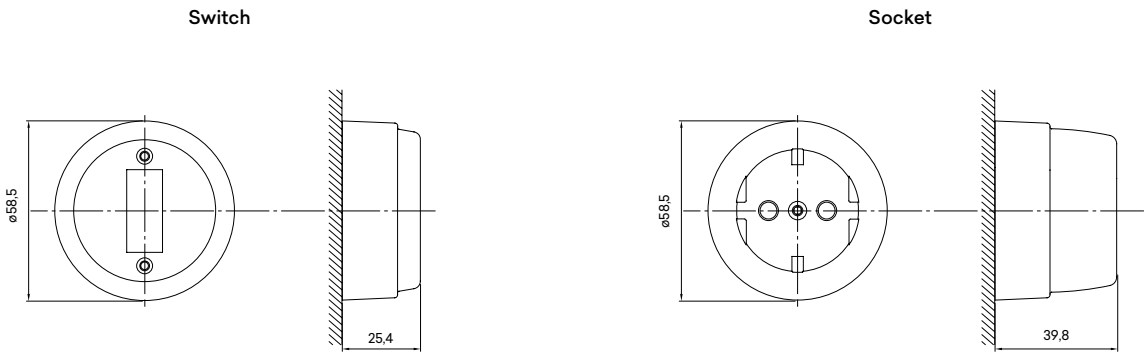
Schuko Sockets

16 A - 250 V ~

Screw connection.

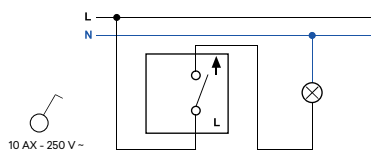
In accordance with IEC 60884-1 Standard

Dimensions (mm)

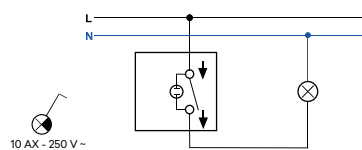


Wiring Diagrams

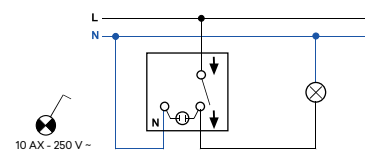
Single Pole Switch



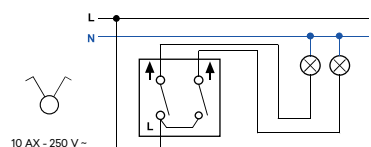
Single Pole Switch with Orienting Light



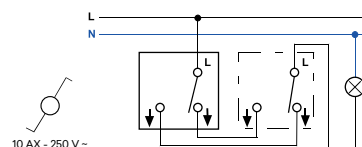
Single Pole Switch with Pilot Lamp



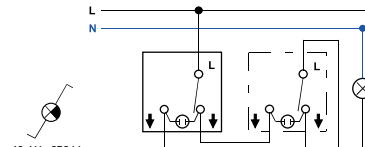
Two Circuits Switch



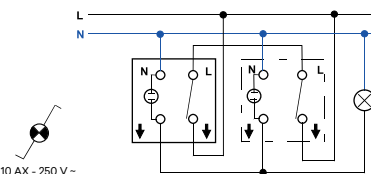
Two-way Switch



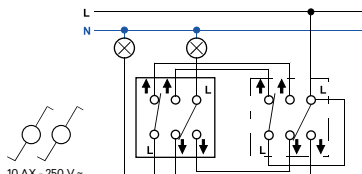
Two-way Switch with Orienting Light



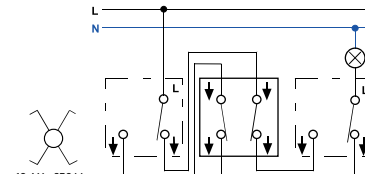
Two-way Switch with Pilot Lamp



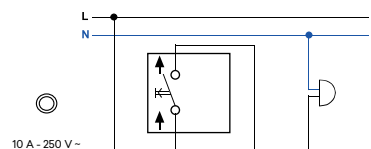
Double Two-way Switch



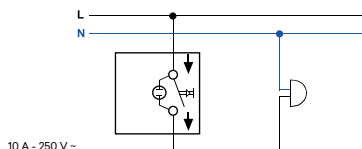
Intermediate Switch



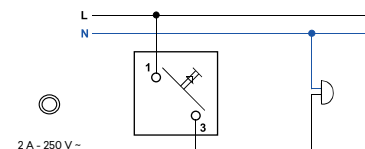
Rocker Push-button



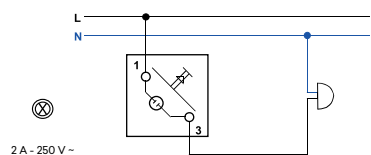
Rocker Push-button with Orienting Light



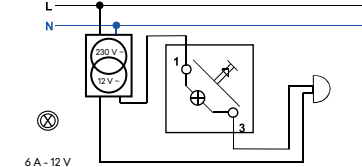
Rocker Push-button



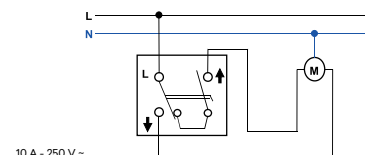
Rocker Push-button with Orienting Light 250 V ~



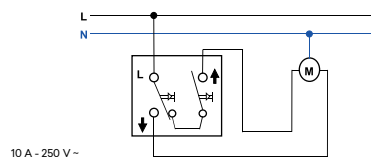
Rocker Push-button with Orienting Light 12 V



Venetian Switch



Venetian Double Push-button



Radio, Television and Satellite Sockets

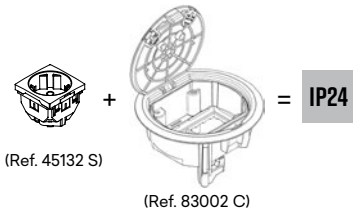
LINEAR R-TV-SAT Sockets (Impedance of 75 Ohm)

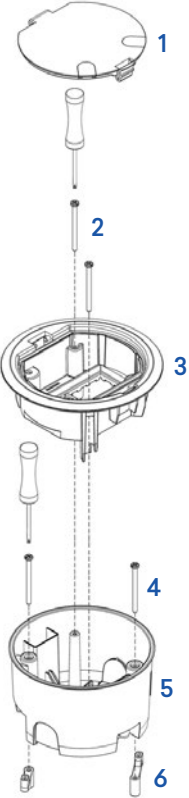
Ref.	Type	Connector	Bands	DERIVATION LOSSES					Insertion Losses dB	Insulation between Outputs	Return Losses dB	Current Flow
				Return	RADIO	TV	SAT					
				4-47 MHz	47-108 MHz	108-862 MHz	950-2150 MHz	2150-2400 MHz				
37550 47550	Star Connection	IEC Male	R - TV	1 st	1 st	3 st	-	-	-	-	-	-
		F Female	SAT	-	-	-	6 st	6 st	-	-	-	500 mA

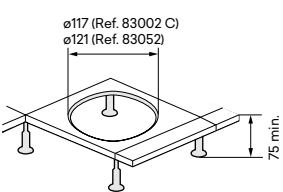
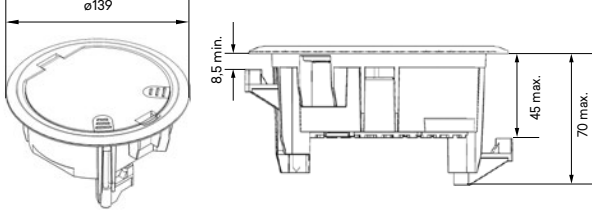
EQUALIZED R-TV Sockets (Impedance of 75 Ohm)

Ref.	Type	Connector	Bands	DERIVATION LOSSES			Insertion Losses dB	Insulation between Outputs	Return Losses dB
				Return	RADIO	TV			
				4-47 MHz	47-108 MHz	108-1000 MHz			
37531 47531	Star Connection / Terminal	IEC Female	R	-	1 st	-	-	-	-
		IEC Male	TV	0,52 st	-	0,52 st			
37532 47532	Crossover	IEC Female	R	-	6 st	-	< 2	-	-
		IEC Male	TV	6 st	-	6 st			

Floor Box - 4 Modules

Description	
 IK08	Ref. 83002 C
	Box for concrete installation through Flush Mounting Boxes (Ref. 83052) and on technical floor through claws.
	Available in colors CZ - Grey, AT - Anthracite and BR - White.
	Applicable with MEC Q45 devices.
 (Ref. 45132 S) + (Ref. 83002 C) = IP24	

Mounting Diagram	
	1 - Floor Box Cover - 4 Modules.
	2 - Self-tapping screws for plastic claw.
	3 - Floor Box - 4 Modules (Ref. 83002 C).
	4 - Self-tapping screws for plastic claw.
	5 - Flush Mounting Box for Floor Box - 4 Modules (Ref. 83052).
	6 - Plastic claw for Floor Box.

Dimensions (mm)	
	
	

Floor Boxes - 8, 12, 16, 24 Modules

Description



IK10

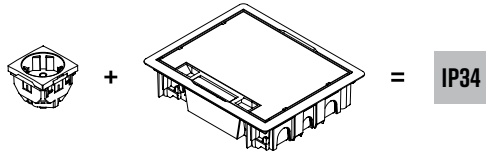
Ref. 83004 C | 83006 C | 83008 C | 83012 C

Box for concrete installation through Flush Mounting Boxes and on technical floor through claws.

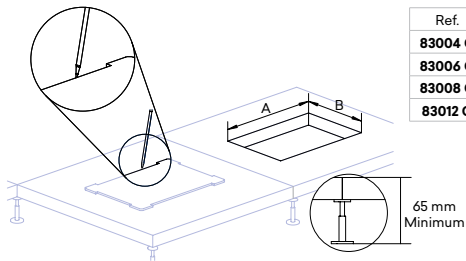
Available in colors **CZ** - Grey, **AT** - Anthracite.

Available with Inox Cover (**Ref. 83008 C**) in colors **ZI** - Grey/Inox, **AI** - Anthracite/Inox.

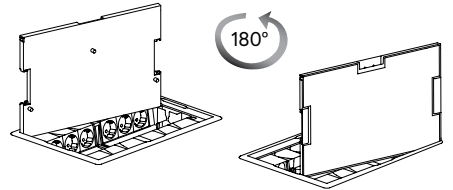
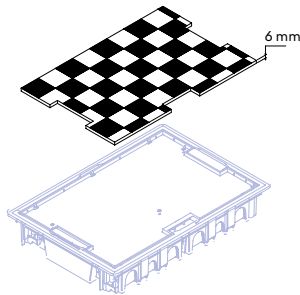
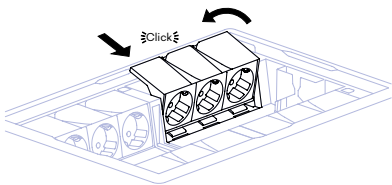
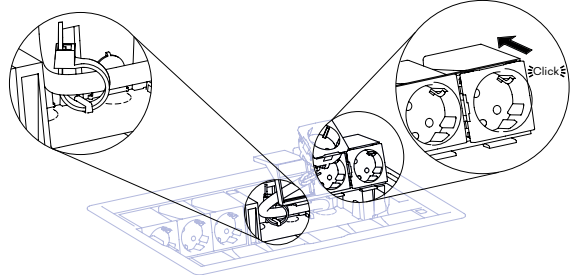
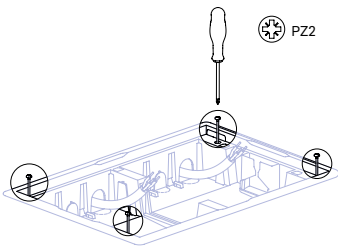
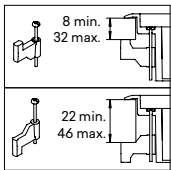
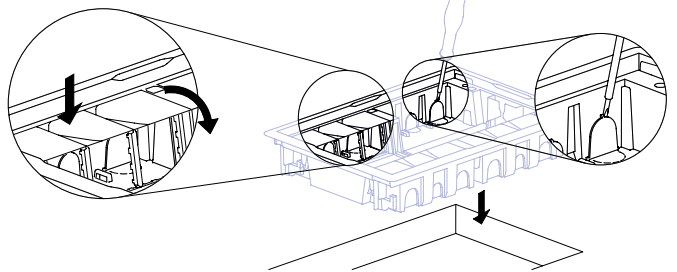
Applicable with **MEC Q45** devices.



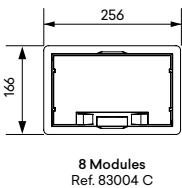
Installation in Technical Floor



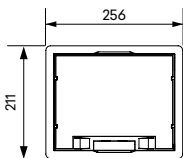
Ref.	A (mm)	B (mm)
83004 C	234	144
83006 C	234	189
83008 C	234	234
83012 C	347	234



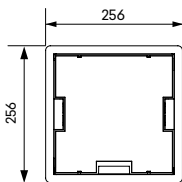
Dimensions (mm)



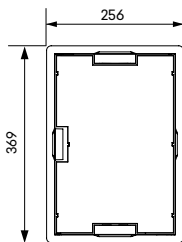
8 Modules
Ref. 83004 C



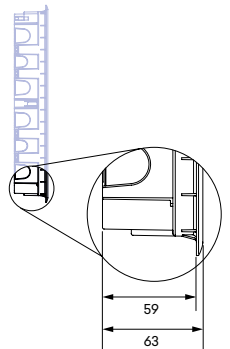
12 Modules
Ref. 83006 C



16 Modules
Ref. 83008 C

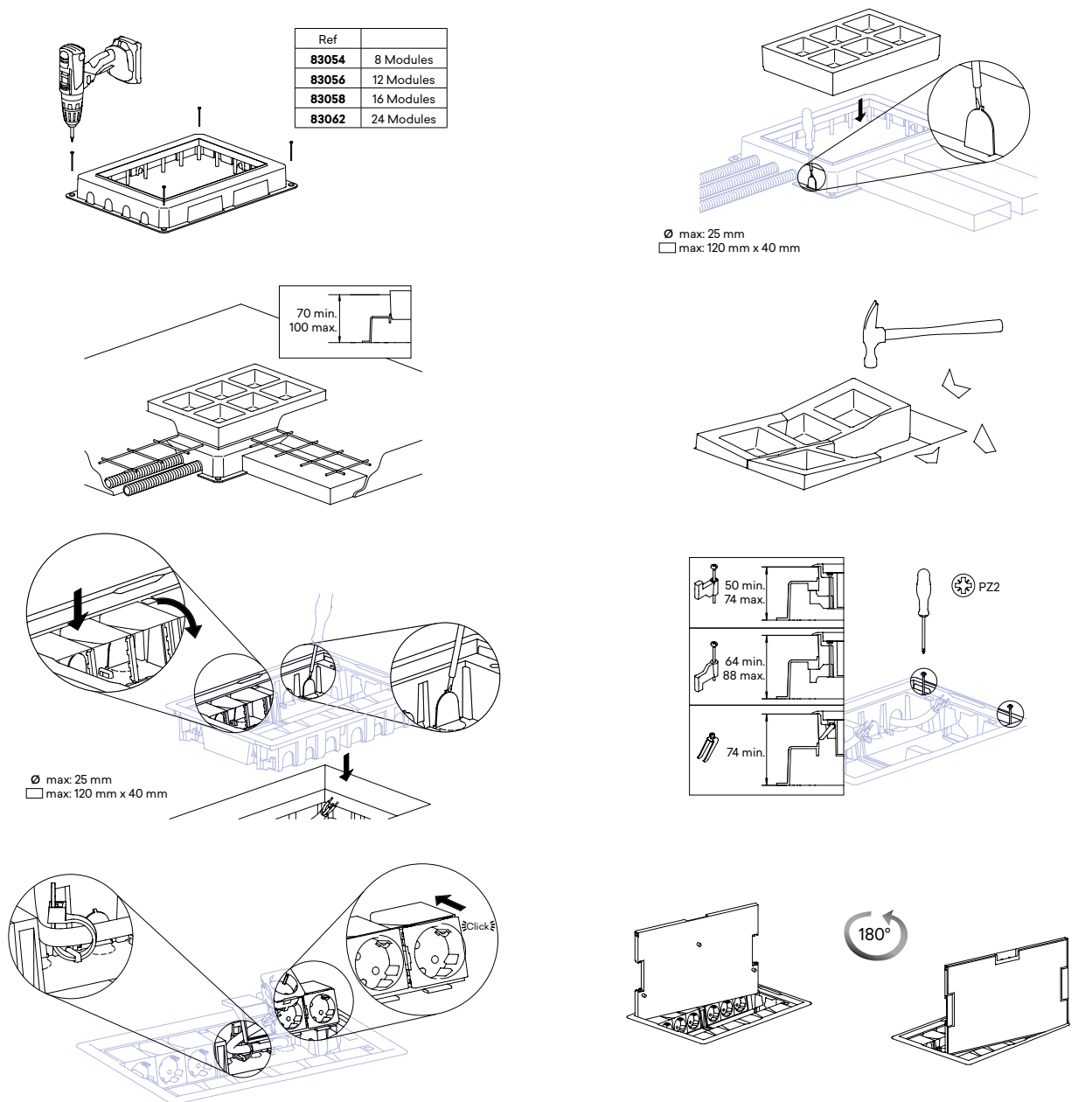


24 Modules
Ref. 83012 C

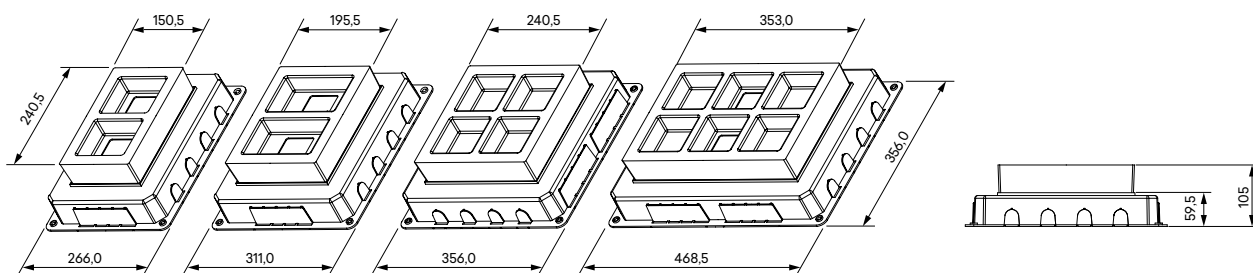


Floor Boxes - 8, 12, 16, 24 Modules

Installation in Concrete with Flush Mounting Box



Dimensions (mm)



EN 60670-1; EN 60670-23 Standards

Section 7	Classification	4, 8, 12, 16 and 24 Modules
7.1	Nature of the material	Insulating
7.2	Installation type	Embedded, semi-embedded or integrated into combustible walls, ceilings or flooring
		Embedded, semi-embedded or integrated into hollow or partition walls (false ceilings, walls, floors), furniture
		For tunnel type installation during the concrete projection step (7.6)
		Treatment of flooring: in boxes and enclosures for installation in floorings submitted to dry treatment
7.3	Types of inputs (outputs)	With inputs for plain or corrugated pipes
7.4	Means for fixing cables and pipes	Without fixing
7.5	Minimum and maximum temperatures during the installation	-25 °C to +60 °C
7.6	Maximum temperature during the concrete filling step	90 °C
7.8	Means for fixing the devices to the boxes	Boxes designed to enable other means of fixing
7.101	Type of movable cover	Enclosure with removable cover

Tests - EN 50085-1; EN 50085-2-2 STANDARDS

Section 10	Classification	4 Modules	8, 12, 16 and 24 Modules
10.3.2	Impact test of mechanical resistance for installation and application	2 J	5 J
10.3.2	EN 50102 - IK Test	IK08	IK10
10.5.1	IEC 60884-1 – NP 1260 Fixation of low voltage devices - resistance to extraction test	Declared extraction force: 90 N 1,5 x 90 = 135 N	
10.5.103	Resistance to vertical load applied through small surface area	750 N	
10.5.104	Resistance to vertical load applied through a large surface area	3000 N	

Workstation Surface Mounting - 2x4 + 4x4 Modules

Description



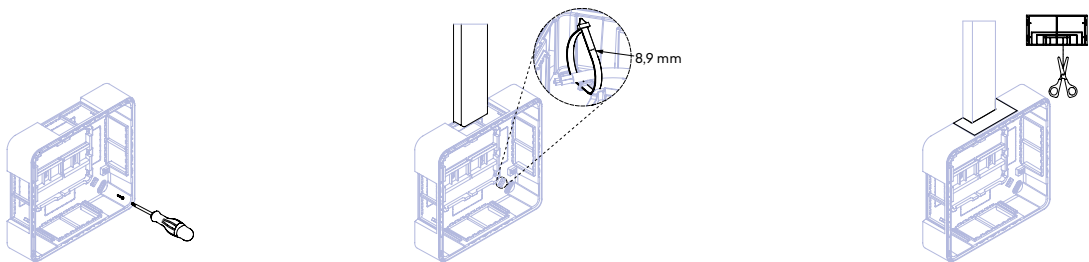
Ref. 83410 S

Workstation for Surface Mounting in masonry.

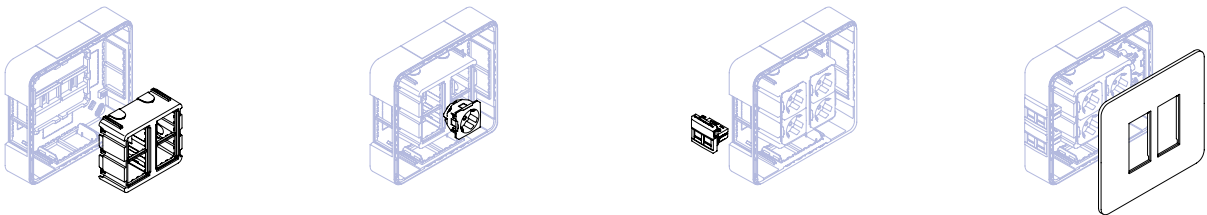
Available in colors **BR** - White, **BM** - Matte White, **PM** - Matte Black, **AL** - Aluminium.

Applicable with **MEC Q45** devices.

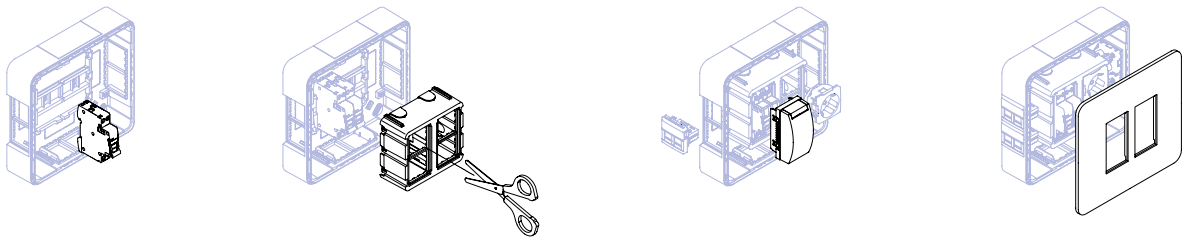
Installation



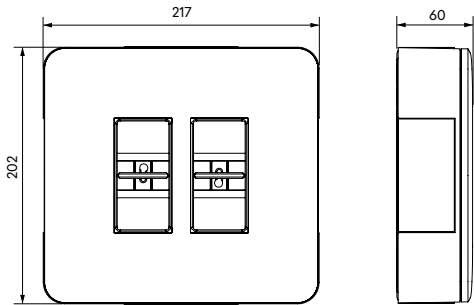
Installation with Mec Q45 Devices



Installation with MODUS 55



Dimensions (mm)



Workstation Surface Mounting - 2x4 | 3x4 | 4x4 Modules

Description



Ref. 83411 S | 83412 S | 83413 S

Workstations for Surface Mounting in masonry.

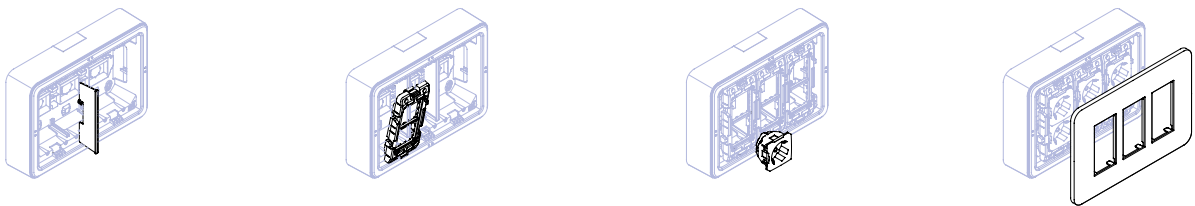
Available in colors **BR** - White, **BM** - Matte White, **PM** - Matte Black, **AL** - Aluminium.

Applicable with **MEC Q45** devices.

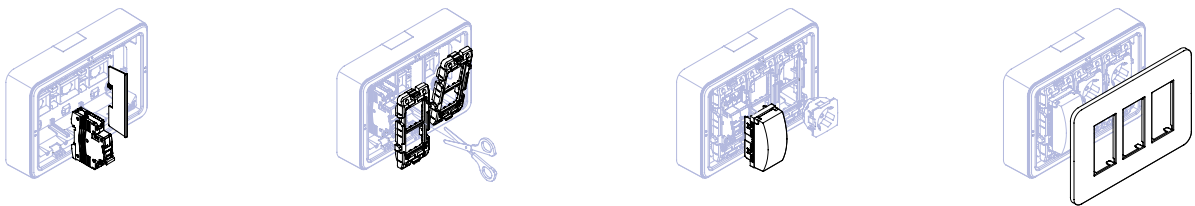
Installation



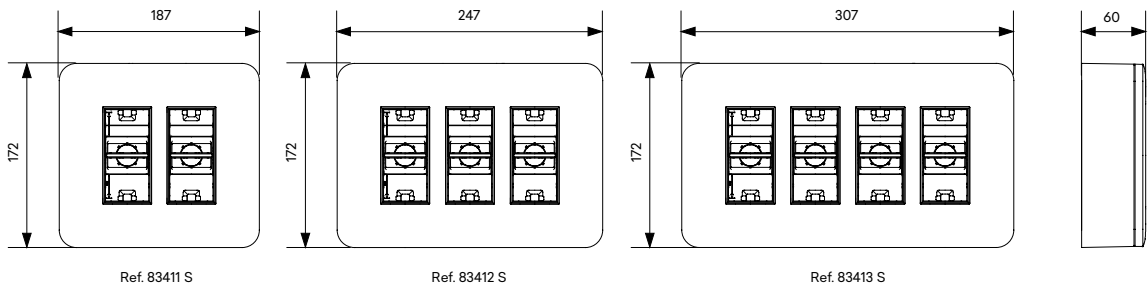
Installation with Mec Q45 Devices



Installation with MODUS 55



Dimensions (mm)



EN 60670-1; EN 60670-24 Standards

Section 7	Classification	Workstations Surface Mounting
7.1	Nature of the material	Insulating
7.2	Installation type	Surface mounting on: - non-combustible walls, ceilings or furniture; - combustible walls, ceilings or furniture.
7.3	Types of inputs (outputs)	Without inputs Input openings are made during installation
7.4	Means for fixing cables and pipes	With cable retention
7.5	Minimum and maximum temperatures during the installation	-5 °C to +60 °C
7.8	Means for fixing the devices to the boxes	Boxes designed to enable other means of fixing
7.102	Enclosure	Enclosure PD (for predetermined equipment)
	Degree of protection of the enclosure: IP3XC Impact test: IK07	
	The maximum load permitted inside the enclosure 2x4 + 4x4 is 1,4 Kg (The maximum load was verified using the maximum weight of the MCB applied and with an increase of 1,5)	
	The maximum load permitted inside the enclosure 2x4 is 1,4 Kg (The maximum load was verified using the maximum weight of the MCB applied and with an increase of 1,5)	
	The maximum load permitted inside the enclosure 3x4 is 2,1 Kg (The maximum load was verified using the maximum weight of the MCB applied and with an increase of 1,5)	
	The maximum load permitted inside the enclosure 4x4 is 2,8 Kg (The maximum load was verified using the maximum weight of the MCB applied and with an increase of 1,5)	
	Rated voltage - 250 V ~ Rated current - 63 A	

Information

Annex BB		
BB3	Devices to be integrated in the enclosure by the installer	The devices integrated in the enclosure by the installer shall comply with their applicable product standards, (e.g. 1 MCB shall comply with IEC 60898-1, 1 RCCB shall comply with IEC 61008-1 and 1 RCBO shall comply with IEC 61009-1). The sockets shall comply with IEC 60884-1 and have safety shutters (Ref. 45132 S, 45112 S). Compatible with devices 45x45 - MEC Q45 .
BB5	Connections	Terminals must be used in accordance with the standard EN 60998-2-1.
BB6	Protection against electric shock	Active parts shall remain inaccessible after devices are installed in the enclosure. Devices mounted in the enclosure shall have a minimum IP degree of IP3X.
BB8	Wiring	The installation must ensure that the internal wiring shall be such that minimum creepage distances between live parts and metallic accessible or non-accessible parts are not less than 3 mm. The cross-sections of conductors shall be in accordance with the wiring installation rules

IEC 60884-1; NP 1260-1 Standards

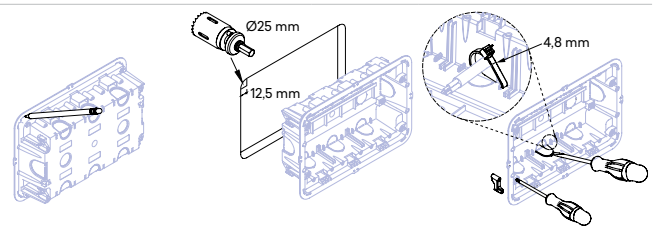
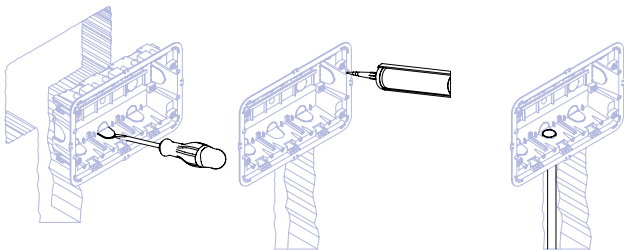
Section 9		
9.4	Fixing of low voltage devices	90 N x 1,5 = 135 N

Description



Applicable with **MEC Q45** devices.

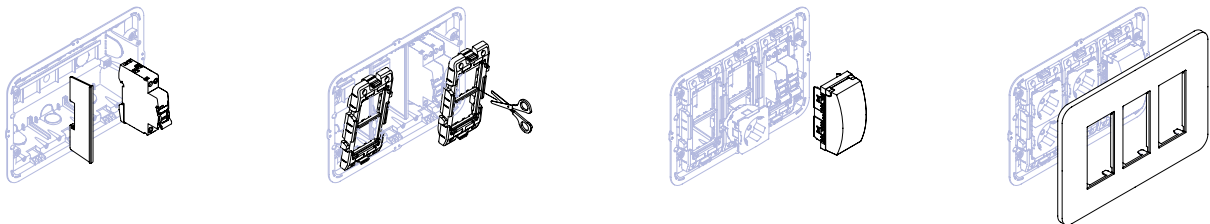
Installation in Hollow Walls



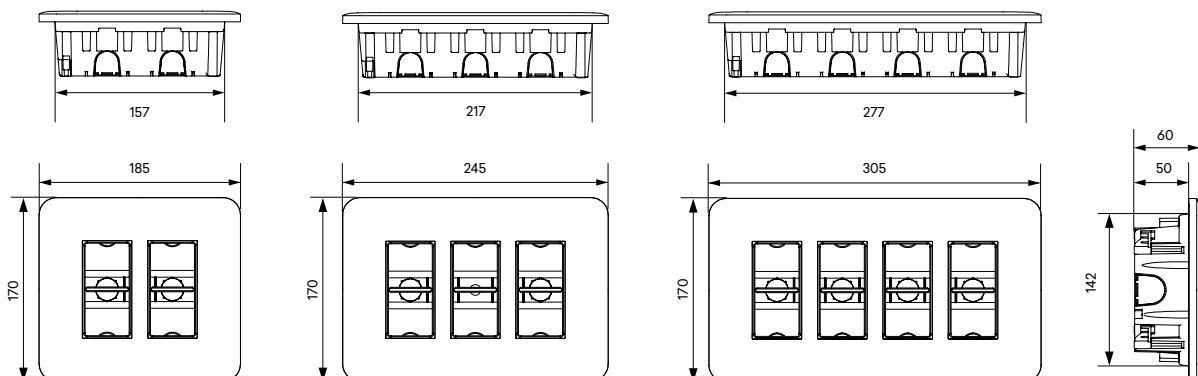
Installation with Mec Q45 Devices



Installation with MODUS 55



Dimensions (mm)



EN 60670-1; EN 60670-24 Standards

Section 7	Classification	Workstations Flush Mounting
7.1	Nature of the material	Insulating
7.2	Installation type	Embedded, semi-embedded or integrated: non-combustible walls or ceilings; combustible walls or ceilings; hollow or partition walls (false ceilings, walls), furniture.
7.3	Types of inputs (outputs)	With inputs for plain or corrugated pipes
7.4	Means for fixing cables and pipes	With cable retention
7.5	Minimum and maximum temperatures during the installation	-5 °C to +60 °C
7.7	Boxes or enclosures for hollow or partition walls, classified according to 7.2.1.3	Degree of protection of the enclosure: IP3XC
7.8	Means for fixing the devices to the boxes	Boxes designed to enable other means of fixing
7.102	Enclosure	Enclosure PD (for predetermined equipment)
	Resistance of the enclosure embedded area (back box) to the glow-wire test a 850 °C	
	Impact test - IK07	
	The maximum load permitted inside the enclosure 2x4 is 1,4 Kg (The maximum load was verified using the maximum weight of the MCB applied and with an increase of 1,5)	
	The maximum load permitted inside the enclosure 3x4 is 2,1 Kg (The maximum load was verified using the maximum weight of the MCB applied and with an increase of 1,5)	
	The maximum load permitted inside the enclosure 4x4 is 2,8 Kg (The maximum load was verified using the maximum weight of the MCB applied and with an increase of 1,5)	
	Rated voltage - 250 V ~ Rated current - 63 A	

Information

Annex BB		
BB3	Devices to be integrated in the enclosure by the installer	The devices integrated in the enclosure by the installer shall comply with their applicable product standards, (e.g. 1 MCB shall comply with IEC 60898-1, 1 RCCB shall comply with IEC 61008-1 and 1 RCBO shall comply with IEC 61009-1). The sockets shall comply with IEC 60884-1 and have safety shutters (Ref. 45132 S, 45112 S). Compatible with devices 45x45 - MEC Q45 .
BB5	Connections	Terminals must be used in accordance with the standard EN 60998-2-1.
BB6	Protection against electric shock	Active parts shall remain inaccessible after devices are installed in the enclosure. Devices mounted in the enclosure shall have a minimum IP degree of IP3X.
BB8	Wiring	The installation must ensure that the internal wiring shall be such that minimum creepage distances between live parts and metallic accessible or non-accessible parts are not less than 3 mm. The cross-sections of conductors shall be in accordance with the wiring installation rules

EN 50085-1 Standard

Section 9		
9.4	Screwed mechanical connections	0,8 Nm

IEC 60884-1; NP 1260-1 Standards

Section 9		
9.4	Fixing of low voltage devices	90 N x 1,5 = 135 N

Workstation Flush Mounting with Door - 2x8 Modules

Description



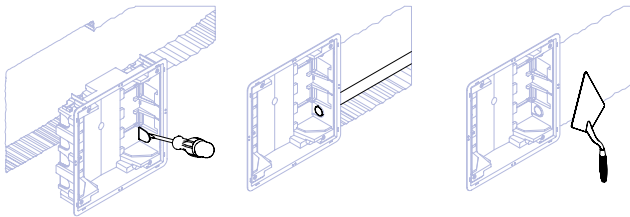
Ref. 83404 S

Workstation for installation in masonry or in hollow walls by using claws.

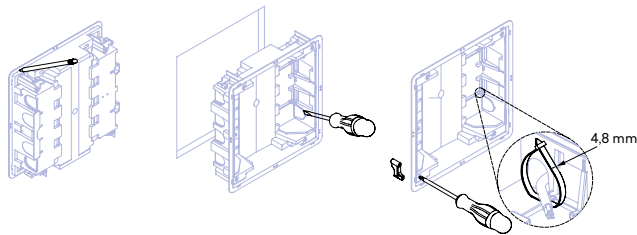
Available in colors **BR** - White.

Applicable with MEC Q45 devices.

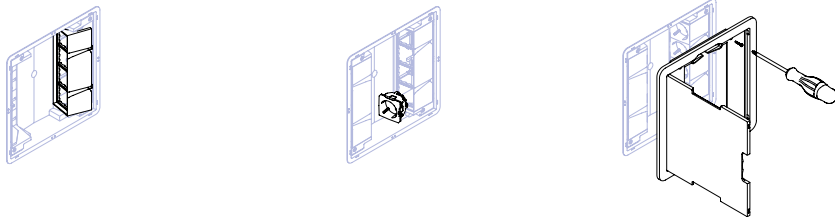
Installation in Masonry



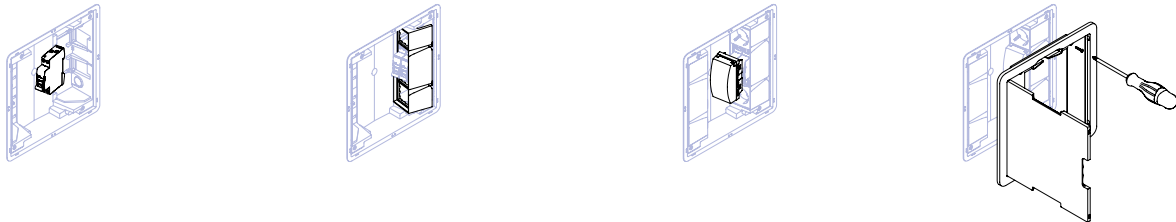
Installation in Hollow Walls



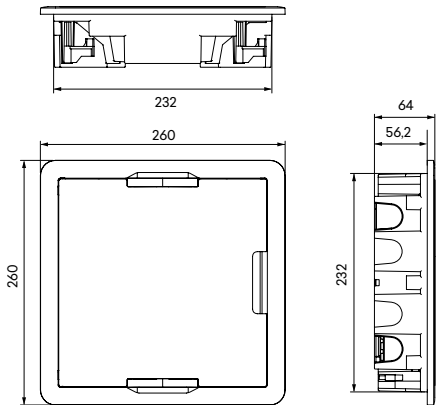
Installation with Mec Q45 Devices



Installation with MODUS 55



Dimensions (mm)



EN 60670-1; EN 60670-24 Standards

Section 7	Classification	Workstation Flush Mounting with Door
7.1	Nature of the material	Insulating
7.2	Installation type	Embedded, semi-embedded or integrated: non-combustible walls or ceilings; combustible walls or ceilings; hollow or partition walls (false ceilings, walls), furniture.
7.3	Types of inputs (outputs)	With inputs for plain or corrugated pipes
7.4	Means for fixing cables and pipes	With cable retention
7.5	Minimum and maximum temperatures during the installation	-5 °C to +60 °C
7.7	Boxes or enclosures for hollow or partition walls, classified according to 7.2.1.3	Degree of protection of the enclosure: IP3XC
7.8	Means for fixing the devices to the boxes	Boxes designed to enable other means of fixing
7.102	Enclosure	Enclosure PD (for predetermined equipment)
	Resistance of the enclosure embedded area (back box) to the glow-wire test at 850 °C	
	Impact test - IK07	
	The maximum load permitted inside the enclosure is 1,4 Kg (The maximum load was verified using the maximum weight of the MCB applied and with an increase of 1,5)	
	Rated voltage - 250 V ~ Rated current - 63 A	

Information

Annex BB		
BB3	Devices to be integrated in the enclosure by the installer	The devices integrated in the enclosure by the installer shall comply with their applicable product standards, (e.g. 1 MCB shall comply with IEC 60898-1, 1 RCCB shall comply with IEC 61008-1 and 1 RCBO shall comply with IEC 61009-1). The sockets shall comply with IEC 60884-1 and have safety shutters (Ref. 45132 S, 45112 S). Compatible with devices 45x45 - MEC Q45 .
BB5	Connections	Terminals must be used in accordance with the standard EN 60998-2-1.
BB6	Protection against electric shock	Active parts shall remain inaccessible after devices are installed in the enclosure. Devices mounted in the enclosure shall have a minimum IP degree of IP3X.
BB8	Wiring	The installation must ensure that the internal wiring shall be such that minimum creepage distances between live parts and metallic accessible or non-accessible parts are not less than 3 mm. The cross-sections of conductors shall be in accordance with the wiring installation rules.

EN 50085-1 Standard

Section 9		
9.4	Screwed mechanical connections	0,8 Nm

IEC 60884-1; NP 1260 Standards

Section 9		
9.4	Fixing of low voltage devices	90 N x 1,5 = 135 N

Desktop Workstations

Description



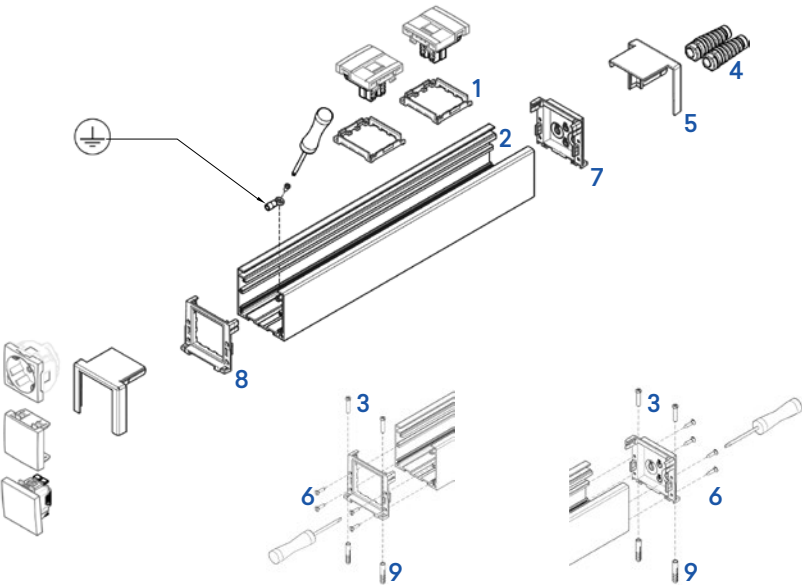
IK09

Ref. 83201 S | 83202 S

It can be attached to a desk, wall, DIN rail or to another location.

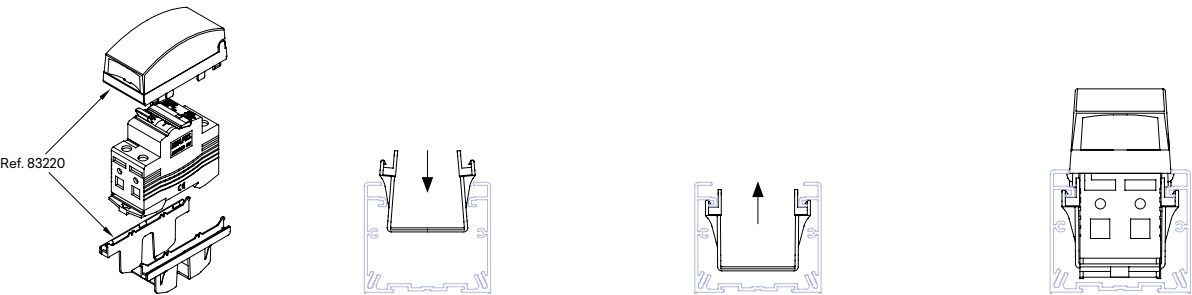
Applicable with **MEC Q45** devices.

Mounting Diagram

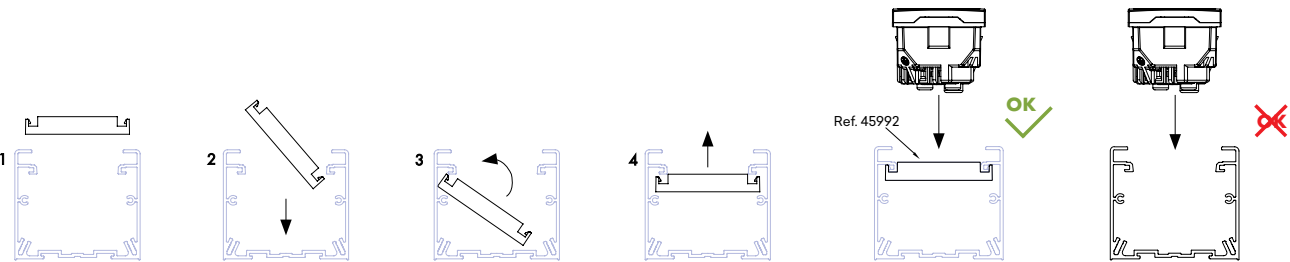


- 1 - 90° Positioner (Ref. 45992).
- 2 - Desktop Workstation Profile.
- 3 - Screws for fastening desktops tops to the floor.
- 4 - Cable Glands (Ref. 81191 and Ref. 81192) (not included).
- 5 - Frame of the Desktop Workstation tops.
- 6 - Screws for fastening desktops tops to the block.
- 7 - Desktop Workstation Top.
- 8 - Desktop Workstation Top - fitting for MEC Q45.
- 9 - Plastic fittings.

Ref. 83220 - Mounting Diagram

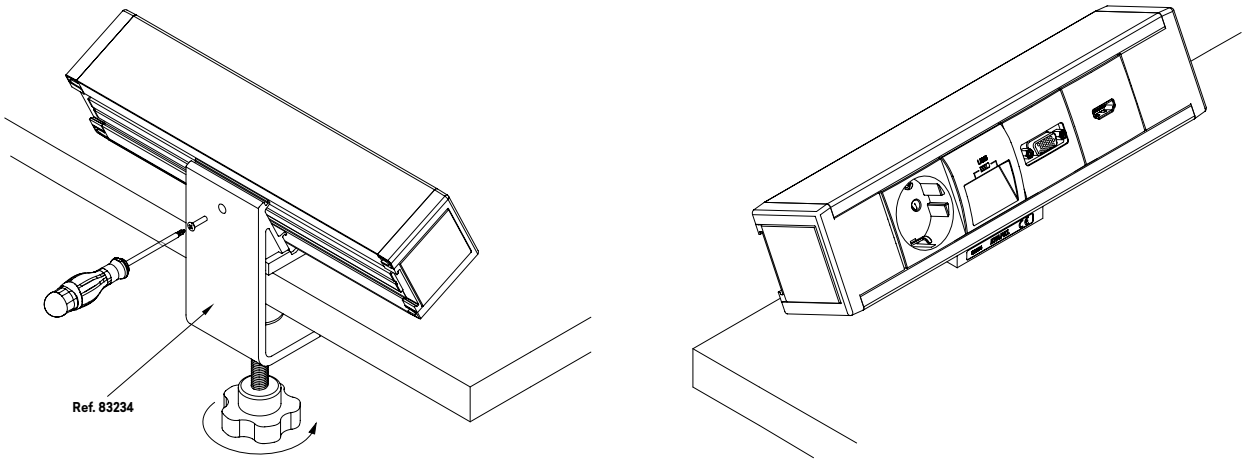


Ref. 45992 - Mounting Diagram

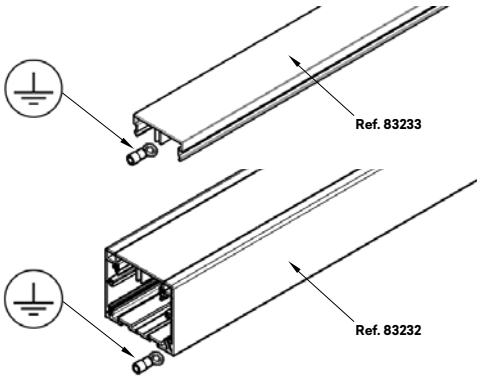
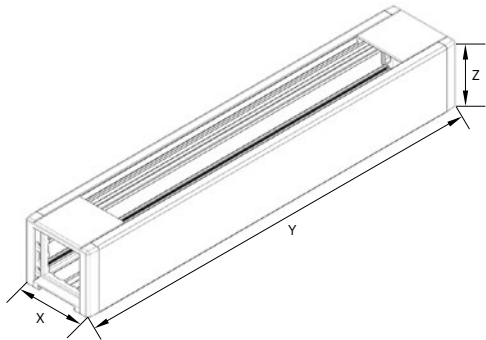


Desktop Workstations

Ref. 83234 - Mounting Diagram



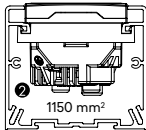
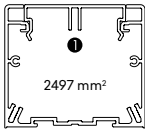
Dimensions (mm)



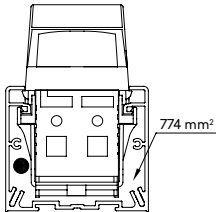
Reference	X	Y	Z
83201 S (8 + 2 Modules)	62,0 mm	269,5 mm	54,5 mm
83202 S (12 + 2 Modules)	62,0 mm	360,5 mm	54,5 mm

Ref. 83233	2100 mm
Ref. 83232	2100 mm

Maximum Section

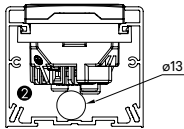
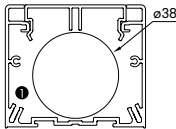


Refs. 83232, 83201 S, 83202 S + 45132 S

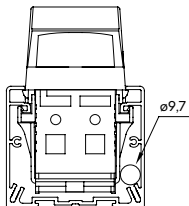


Refs. 83232, 83201 S, 83202 S + 55316 6BY

Maximum Diameter Available (mm)



Refs. 83232, 83201 S, 83202 S + 45132 S



Refs. 83232, 83201 S, 83202 S + 55316 6BY

Profile Selection

Reference	Profile Characteristics			Insulated Cables Capacity				
	Section	Internal Section (S)	Available Section (Su)	Max ø Available	Max. Nr. Conductors H07 V-U			
		(mm²)	(S/1,4) (mm²)	(mm)	1,5mm²	2,5mm²	4mm²	6mm²
Profile and Desktop Workstations 83232 83201 S 83202 S	❶	2497	1784	38	223	149	119	89
Profile and Desktop Workstations with MEC Q45 Socket 83232 83201 S 83202 S + 45132 S	❷	1150	821	13	103	68	55	41
Profile and Desktop Workstations with RCBO 83232 83201 S 83202 S + 55316 6BY	❸	774	552	9,7	69	45	36	27

EN 50085-2-1 Standard

Section 6	Classification	Desktop Workstations
6.2	Resistance to impact for installation and application	10 J
6.3	Minimum stock and transport temperature	-45 °C
6.3	Minimum installation and operation temperature	-25 °C
6.3	Maximum operation temperature	60 °C
6.4	Flame propagation resistance	Non-flame propagation
6.5	Electrical continuity	With electrical continuity $1,5 \times 10^{-4} \Omega/m$
6.6	Electrical insulation characteristics	Without Electrical insulation characteristics
6.7	Protection degree provided by the enclosure	IP30
6.8	Protection against corrosive or polluting substances	With medium protection outside and inside
6.9	Access system to the retention of the cover	The cover can only be opened with a tool
6.10	Electrical protective separation	Without electrical protective partition (divider)
6.101	Intended installation positions	Surface mounted, fixed in the wall or in the ceiling
6.102	Prevention of contact between liquids and insulated conductors and live parts in case of assembly on skirting and on wet floor	Not declared
6.103	Type	3 (Installation)
	Rated Voltage	500 V ~

Minicolumns

Description



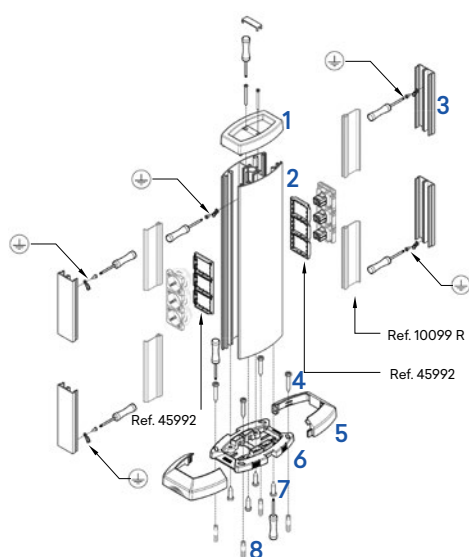
IK09

Ref. 83282 | 83281 | 83283

Enables the placement of all the interconnection points (energy and communication) next to the workstation.

Applicable with **MEC Q45** devices.

Mounting Diagram



1 - Top for Minicolumn (**Ref. 83290 A**).

2 - Minicolumn Profile (**Ref. 83253**).

3 - Cover of Minicolumn (**Ref. 83233**).

4 - Screws to fix base of Minicolumn to the ground.

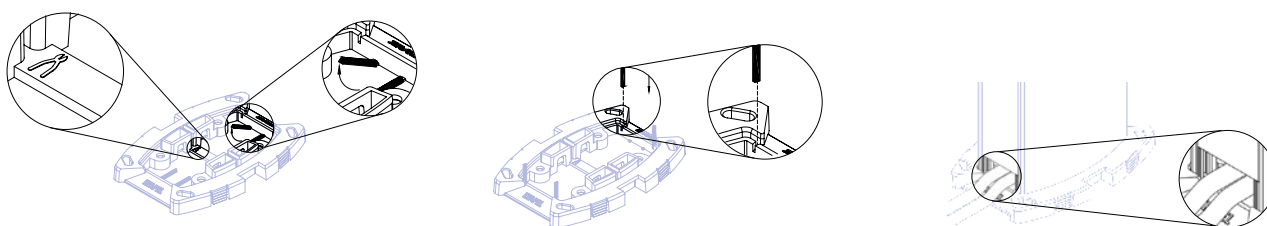
5 - Frame of Minicolumn.

6 - Base of Minicolumn (**Ref. 83251 A**).

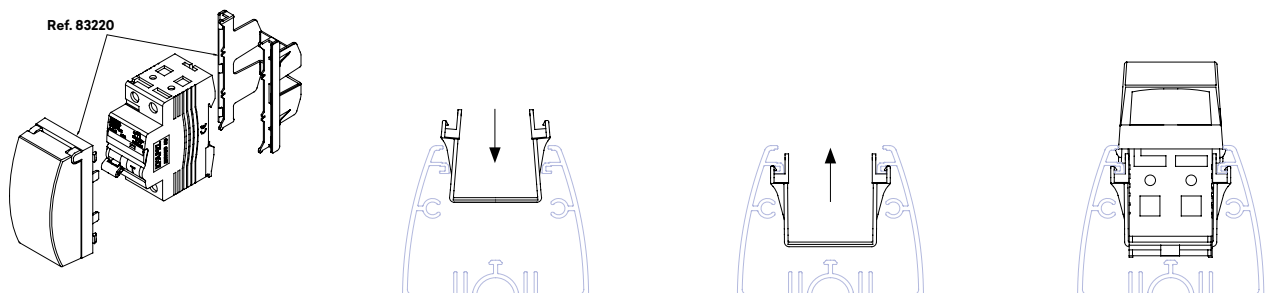
7 - Screws to fix Minicolumn to the base.

8 - Plastic fittings.

Ref. 83251 A - Mounting Diagram

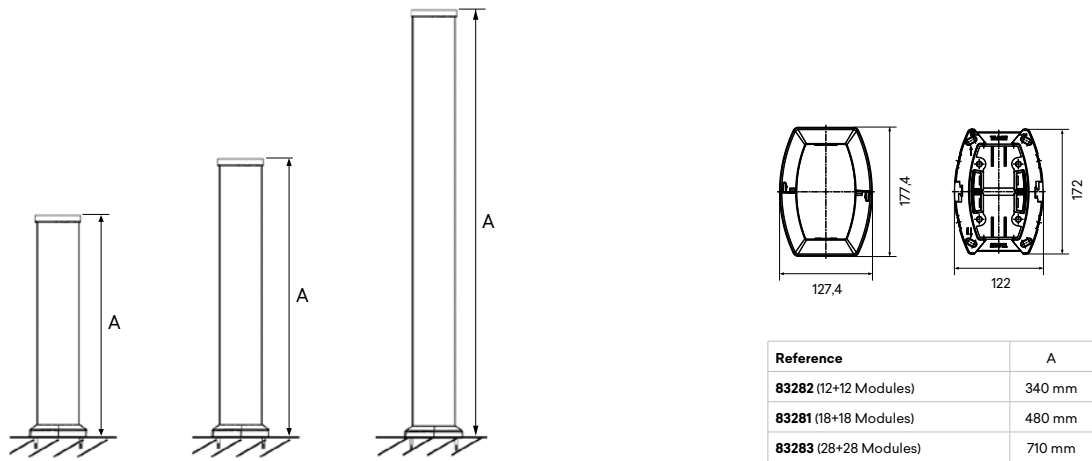


Ref. 83220 - Mounting Diagram

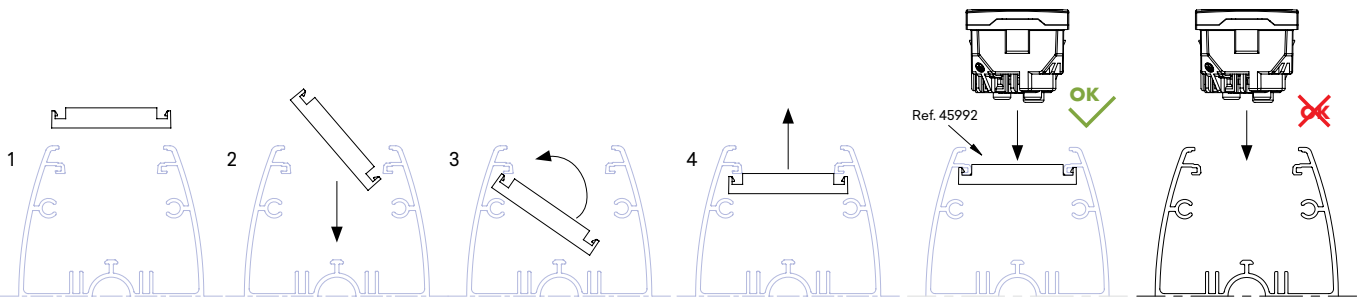


Minicolumns

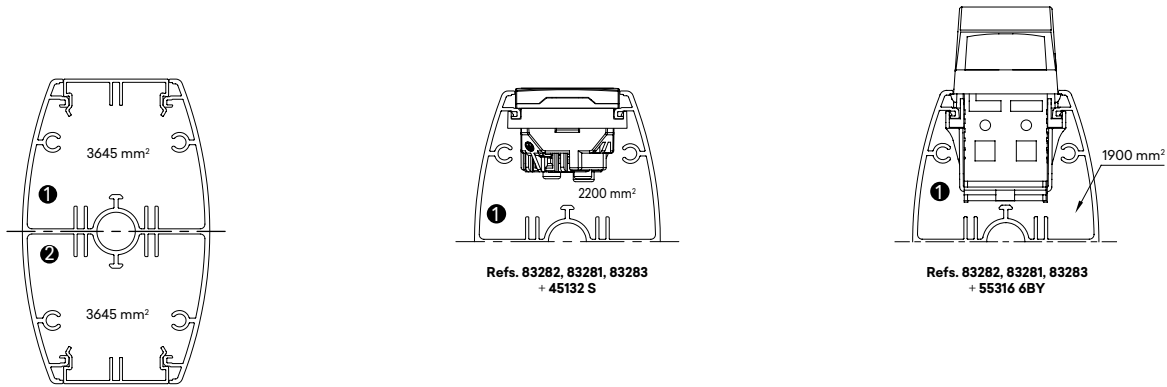
Dimensions (mm)



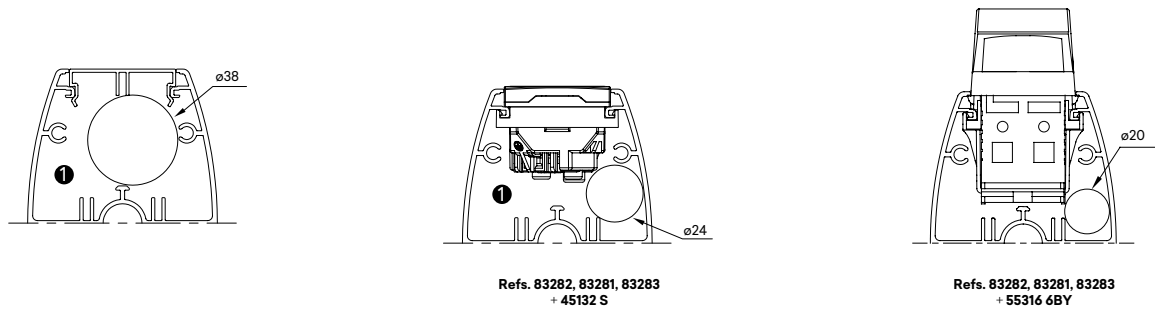
Ref. 45992 - Mounting Diagram



Maximum Section



Maximum Diameter Available (mm)



Columns

Description



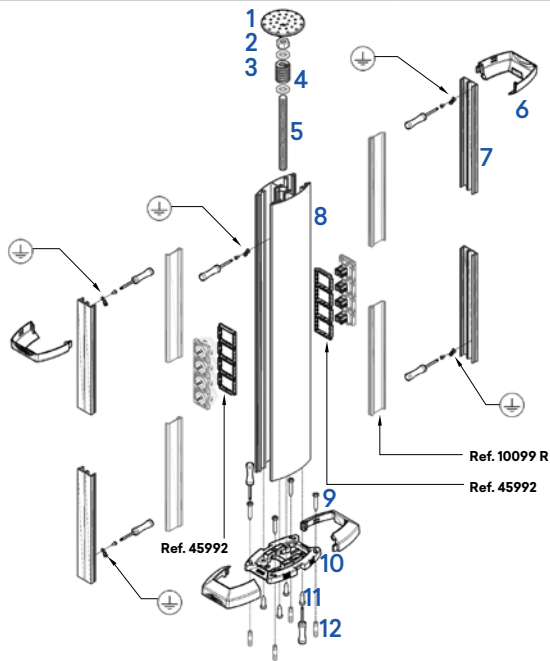
IK09

Ref. 83241 | 83242 | 83253

Allows the power supply and the passage of cables between the ceiling and the floor.

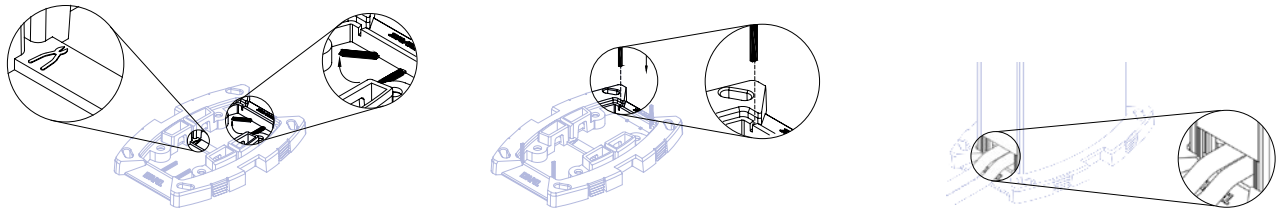
Applicable with **MEC Q45** devices.

Mounting Diagram

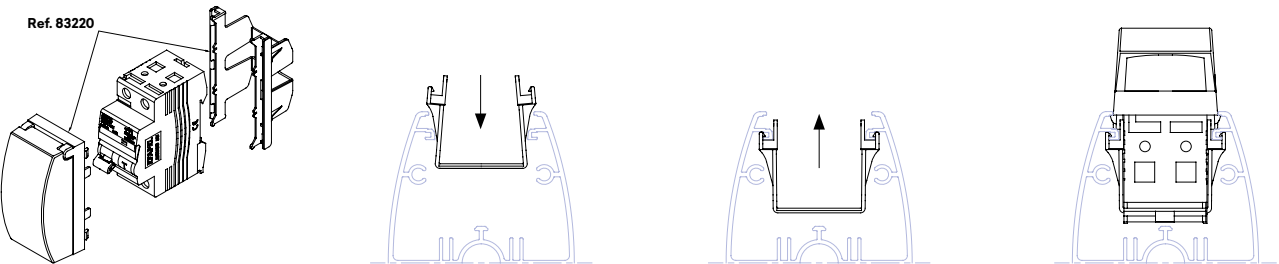


- 1 - Ceiling fixing device.
- 2 - Hexagon nut M16x13.
- 3 - Ring M16x13.
- 4 - Spring.
- 5 - Screw Rod M16x1000 (Ref. 83252 A).
- 6 - Column Frame.
- 7 - Column Cover (Ref. 83233).
- 8 - Column Profile (Ref. 83253).
- 9 - Screws to fix the base of the Column to the ground.
- 10 - Column Base (Ref. 83251 A).
- 11 - Screws to fix the Column to the base.
- 12 - Plastic fittings.

Ref. 83251 A - Mounting Diagram

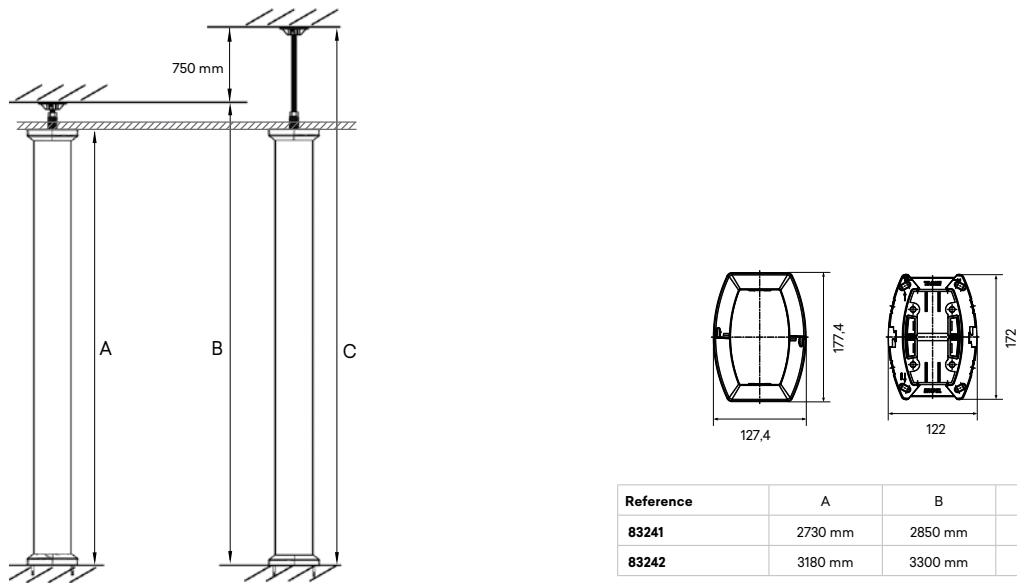


Ref. 83220 - Mounting Diagram



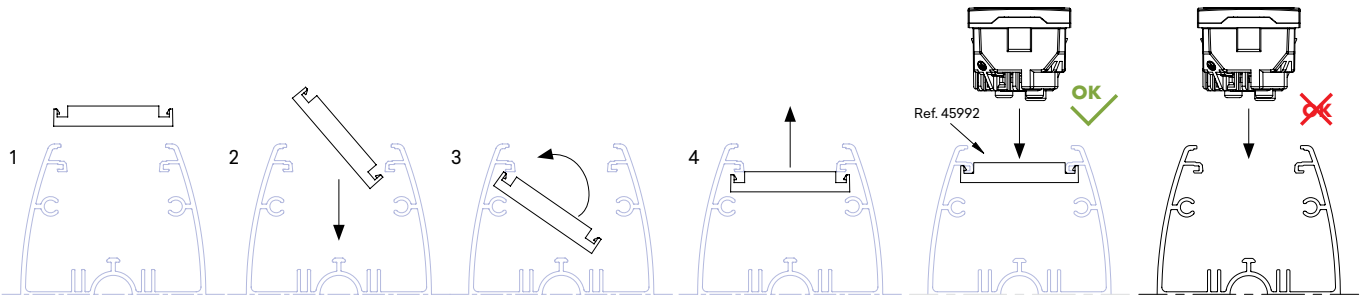
Columns

Dimensions (mm)

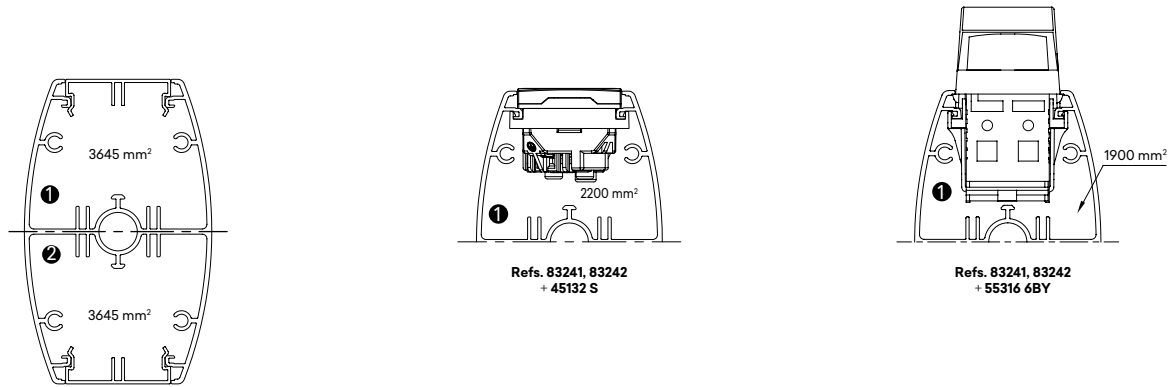


Reference	A	B	C
83241	2730 mm	2850 mm	3600 mm
83242	3180 mm	3300 mm	4050 mm

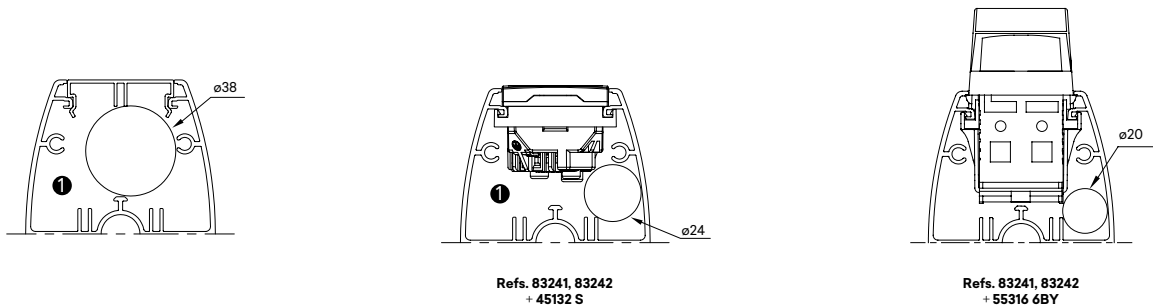
Ref. 45992 - Mounting Diagram



Maximum Section



Maximum Diameter Available (mm)



Minicolumns and Columns

Profile Selection

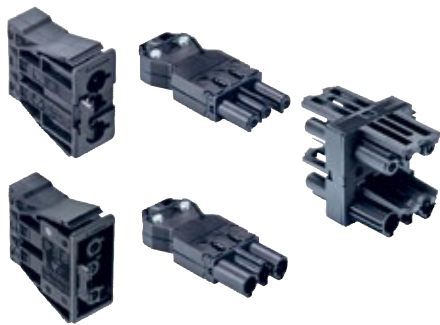
Reference	Section	Profile Characteristics		Insulated Cables Capacity				
		Internal Section (S)	Available Section (Su)	Max ø Available	Max. Nr. Conductors H07 V-U			
		(mm²)	(S/1,4) (mm²)	(mm)	1,5mm²	2,5mm²	4mm²	6mm²
Minicolumns and Columns 83282 83281 83283 83241 83242 83253	①	3645	2604	38	325	217	174	130
	②							
Minicolumns and Columns with MEC Q45 Socket 83282 83281 83283 83241 83242 + 45132 S 83253	①	2200	1571	24	196	131	105	79
	②							
Minicolumns and Columns with ROBO 83282 83281 83283 83241 83242 + 55316 6BY 83253	①	1900	1357	20	170	113	90	67
	②							

EN 50085-2-1 Standard

Section 6	Classification	Minicolumns and Columns
6.2	Resistance to impact for installation and application	10 J
6.3	Minimum stock and transport temperature	-45 °C
6.3	Minimum installation and operation temperature	-25 °C
6.3	Maximum operation temperature	60 °C
6.4	Flame propagation resistance	Non-flame propagation
6.5	Electrical continuity	With electrical continuity $5 \times 10^{-5} \Omega/m$
6.6	Electrical insulation characteristics	Without Electrical insulation characteristics
6.7	Protection degree provided by the enclosure	IP31
6.8	Protection against corrosive or polluting substances	With medium protection outside and inside
6.9	Access system to the retention of the cover	The cover can only be opened with a tool
6.10	Electrical protective separation	Without electrical protective partition (divider)
6.101	Type of floor	Dry floor
6.102	1000 N	
6.103	5000 N	
	Rated Voltage	500 V ~

Fast Connectors 2P+T

Description



Ref. 83150 | 83151 | 83152 | 83153 | 83154

Fast Connectors 2P+T to supply the Desktop Workstations.

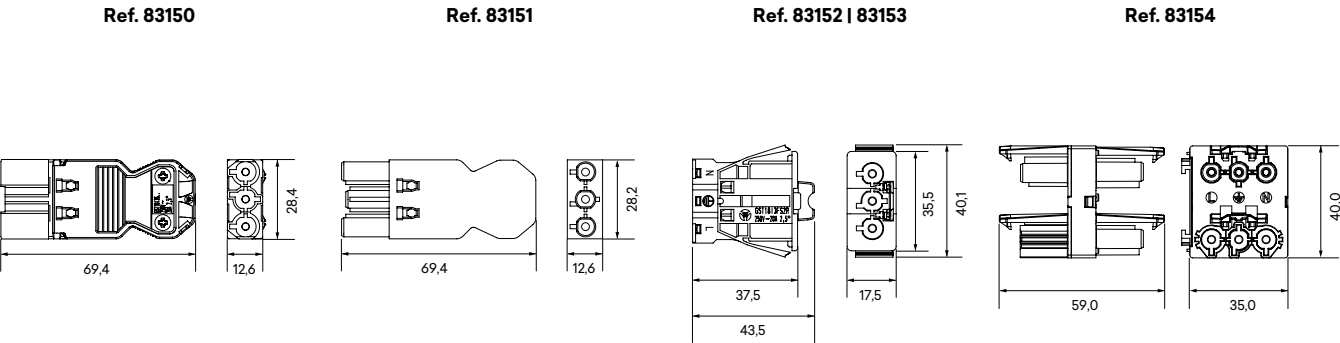
To be used with Modules in **Ref. 45980 SBR** and **Ref. 45981 SBR**.

Available in colors **PT** - Black, **VM** - Red.

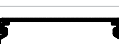
Technical Characteristics

Reference	83150 PT	83150 VM	83151 PT	83151 VM	83152 PT	83152 VM	83153 PT	83153 VM	83154 PT	83154 VM
Rated Current	20 A									
Rated voltage	250 V ~									
Color	Black	Red	Black	Red	Black	Red	Black	Red	Black	Red
Pole marking	L, N, PE									
Rigid section (Min. / Max.)	0,75 mm² / 2,5 mm²				0,5 mm² / 2,5 mm²				-	-
Flexible section (Min. / Max.)	0,75 mm² / 2,5 mm²				0,5 mm² / 1,5 mm²				-	-
Cable diameter (Min. / Max.)	6,5 mm / 10,5 mm				-				-	-
Number of terminals per pole	2								-	-
Connector type	Male	Male	Female	Female	Male	Male	Female	Female	-	-
Connection type	Screw				Screwless				-	-
Connection angle	Flat								-	-
Connection fixation	Snap-on									
Inputs number	1									
Outputs number	1								3	
Distribution type	-								H	

Dimensions (mm)



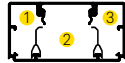
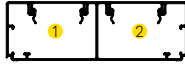
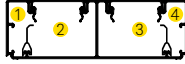
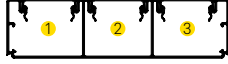
Mini Cable

Mini Cable			Trunkings Characteristics				Insulated Cables Capacity				
IP44 RoHS 			Internal Dim.	Length	Internal Section (S)	Available Section (Su)	Max ø Available	Max. Nr. Conductors H07 V-U			
W x H (mm)	Profile	Ref.	(mm)	(m)	(mm²)	(S/1,4) (mm²)	(mm)	1,5 mm²	2,5 mm²	4 mm²	6 mm²
12 x 7		10010 CBR 10010 FBR	10x5	2,10	61	44	5	5	4	3	2
16 x 10		10020 CBR 10020 FBR	14x8	2,10	121	86	8	11	7	6	4
20 x 12,5		10030 CBR 10030 FBR 10030 HBR	18x10	2,10	182	130	10	16	11	9	6
25 x 16		10450 CBR 10450 FBR	23x14	2,10	290	207	14	25	18	14	11
32 x 12,5		10410 CBR 10410 FBR	30x10	2,10	145 145	104 104	10 10	13 13	9 9	7 7	5 5
		10410 HBR									
		10400 CBR 10400 FBR			310	221	10	28	18	15	11
		10400 HBR									
32 x 16		10040 CBR 10040 FBR 10040 HBR	30x14	2,10	401	286	14	36	25	20	15
40 x 12,5		10050 CBR 10050 FBR	38x9	2,10	179 179	128 128	9 9	16 16	11 11	9 9	6 6
		10050 HBR									
		10150 CBR 10150 FBR			394	282	9	36	24	19	14
40 x 16		10060 CBR 10060 FBR	38x14	2,10	232 232	166 166	14 14	21 21	14 14	11 11	8 8
		10060 HBR									
		10160 CBR 10160 FBR			514	368	14	47	32	25	19
40 x 25		10480 CBR	37x22	2,10	805	575	22	71	50	39	30
50 x 20		10500 CBR 10500 HBR	47x17	2,10	836	597	17	75	50	40	30
		10510 CBR			553 256	395 183	17 17	49 23	33 15	26 12	20 9
					10520 CBR	256 270 256	183 193 183	17 17 17	23 24 23	15 16 15	12 13 12
60 x 16		10070 CBR	57x14	2,10	228 246 228	163 176 163	14 14 14	20 22 20	14 15 14	11 12 11	8 9 8
		10170 CBR			787	563	14	72	48	39	29
75 x 20		10140 CBR	72x18	2,10	325 463 325	232 331 232	17 17 17	29 42 29	20 28 20	16 23 16	12 17 12

CBR - Complete White; FBR - Adhesive White Complete; HBR - White Complete Halogen Free.

Halogen Free

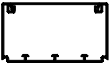
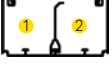
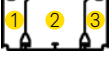
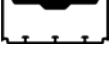
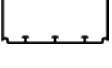
L45 Cover - Snap-ON

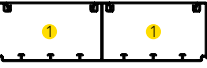
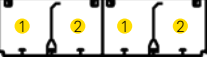
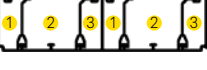
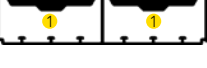
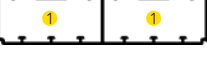
L45 Cover - Snap-ON			Trunkings Characteristics				Insulated Cables Capacity				
IP44	RoHS		Internal Dim.	Length	Internal Section (S)	Available Section (Su)	Max ø Available	Max. Nr. Conductors H07 V-U			
W x H (mm)	Profile	Ref.	(mm)	(m)	(mm²)	(S/1,4) (mm²)	(mm)	1,5 mm²	2,5 mm²	4 mm²	6 mm²
100 x 50		11020 CBR	96x47	2,00	2155	1539	32	191	135	106	81
					① 493 ② 1058 ③ 493	352 756 352	20 32 20	43 94 43	31 66 31	24 52 24	18 40 18
155 x 50		11030 CBR	75x47 75x47	2,00	① 1672 ② 1672	1194 1194	32 32	148 148	105 105	82 82	63 63
					① 357 ② 1259 ③ 1259 ④ 357	255 899 899 255	16 32 32 16	31 111 111 31	22 79 79 22	17 61 61 17	13 47 47 13
190 x 50		11040 CBR	63x47 57x47 63x47	2,00	① 1325 ② 1214 ③ 1325	946 867 946	32 32 32	117 107 117	83 76 83	65 59 65	50 46 50

CBR - Complete White.

Note: 45 mm (L45) wide cover.

L75 Cover - Universal

			Trunkings Characteristics				Insulated Cables Capacity				
			Internal Dim.	Length	Internal Section (S)	Available Section (Su)	Max ø Available	Max. Nr. Conductors H07 V-U			
W x H (mm)	Profile	Ref.	(mm)	(m)	(mm²)	(S/1,4) (mm²)	(mm)	1,5 mm²	2,5 mm²	4 mm²	6 mm²
90 x 50		10180 RBR	86x47	2,00	3909	2792	45	349	233	186	140
		10180 HBR									
		10180 RBR			1 1890 2 1890	1350 1350	40 40	169 169	113 113	90 90	68 68
		10180 HBR									
		10180 RBR			1 725 2 2202 3 725	518 1572 518	25 30 25	65 197 65	43 131 43	35 105 35	26 79 26
		10180 HBR									
90 x 50 with Flush Mounting Box		10180 RBR			2109 (a)	1506	—	188	126	100	75
90 x 50 with Semi-flush Mounting Box		10180 RBR			2686 (a)	1918	—	240	160	128	96
		10180 HBR									

180 x 50		10290 RBR	87x47 87x47	2,00	1 3960	2829	45	354	236	189	141
		10290 HBR									
		10290 RBR			1 1946 2 1885	1390 1347	45 45	174 168	116 112	93 90	70 67
		10290 HBR									
		10290 RBR			1 781 2 2202 3 720	558 1572 514	45 45 45	70 197 64	47 131 43	37 105 34	28 79 26
		10290 HBR									
180 x 50 with Flush Mounting Box		10290 RBR			1 2160 (a)	1543	—	193	129	103	77
180 x 50 with Semi-flush Mounting Box		10290 RBR			1 2737 (a)	1955	—	244	163	130	98
		10290 HBR									

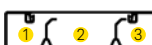
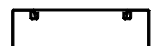
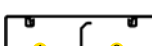
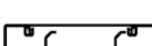
RBR - White Cable Trunking or Accessory; HBR - White Complete Halogen Free.

(a) - Section available with the largest mechanisms installed.

Note: 75 mm (L75) wide cover.

Halogen Free

L75 Cover - Universal

L75 Cover - Universal			Trunkings Characteristics				Insulated Cables Capacity				
IP44	RoHS		Internal Dim.	Length	Internal Section (S)	Available Section (Su)	Max ø Available	Max. Nr. Conductors H07 V-U			
W x H (mm)	Profile	Ref.	(mm)	(m)	(mm²)	(S/1,4) (mm²)	(mm)	1,5 mm²	2,5 mm²	4 mm²	6 mm²
110 x 34		10080 RBR	106x31	2,00	3115	2225	28	283	192	154	115
		10080 HBR									
		10080 RBR			1 896 2 1148 3 896	640 820 640	24 27 24	81 104 81	55 71 55	44 57 44	33 42 33
		10080 HBR									
110 x 34 with Flush Mounting Box		10080 RBR			1315 (a)	969	—	119	81	65	48
		10080 HBR									
110 x 34 with Semi-flush Mounting Box		10080 RBR			1892 (a)	1351	—	172	116	93	69
		10080 HBR									
110 x 50		10090 RBR	106x47	2,00	4834	3453	43	434	294	235	176
		10090 HBR									
		10090 RBR			1 2353 2 2353	1680 1680	41 41	214 210	145 142	116 114	86 85
		10090 HBR									
		10090 RBR			1 1188 2 2202 3 1188	848 1572 848	31 38 31	126 161 126	86 109 86	69 87 69	51 65 51
		10090 HBR									
110 x 50 with Flush Mounting Box		10090 RBR			3034 (a)	2167	—	270	183	146	109
		10090 HBR									
110 x 50 with Semi-flush Mounting Box		10090 RBR			3611 (a)	2579	—	322	219	175	130
		10090 HBR									

RBR - White Cable Trunking or Accessory; **HBR** - White Complete Halogen Free.

(a) - Section available with the largest mechanisms installed.

Note: 75 mm (L75) wide cover.

Halogen Free

Skirt

			Trunkings Characteristics				Insulated Cables Capacity				
IP44 RoHS			Internal Dim.	Length	Internal Section (S)	Available Section (Su)	Max ø Available	Max. Nr. Conductors H07 V-U			
H x W (mm)	Profile	Ref.	(mm)	(m)	(mm²)	(S/1,4) (mm²)	(mm)	1,5 mm²	2,5 mm²	4 mm²	6 mm²
110 x 2		10100 CBR	104x17	2,00	1 330	236	14	30	20	16	12
					2 420	301	16	38	26	21	15
					3 436	312	17	40	27	21	16

CBR - Complete White.

Floor

			Trunkings Characteristics				Insulated Cables Capacity				
IP44 RoHS			Internal Dim.	Length	Internal Section (S)	Available Section (Su)	Max ø Available	Max. Nr. Conductors H07 V-U			
W x H (mm)	Profile	Ref.	(mm)	(m)	(mm²)	(S/1,4) (mm²)	(mm)	1,5 mm²	2,5 mm²	4 mm²	6 mm²
50 x 12		10110 CCZ	30x9	2,00	1 47	34	6	4	3	2	1
					2 148	106	9	13	9	7	5
					3 47	34	6	4	3	2	1
75 x 17		10120 CCZ	60x14	2,00	1 198	142	11	18	12	10	7
					2 238	170	14	21	14	11	8
					3 198	142	11	18	12	10	7

CCZ - Complete Grey.

Protection of Cables and Pipes

Protection of Cables and Pipes			Trunkings Characteristics				Cables, Pipes and Conductors Capacity				
IP44 RoHS 			Internal Dim.	Length	Internal Section (S)	Available Section (Su)	Max ø Available	Max. Nr. Conductors H07 V-U			
W x H (mm)	Profile	Ref.	(mm)	(m)	(mm²)	(S/1,4) (mm²)	(mm)	1,5 mm²	2,5 mm²	4 mm²	6 mm²
10 x 10		13100 CBR 13100 FBR	8x8	2,00	50	36	6	4	3	2	1
15 x 15		13110 CBR 13110 FBR	13x13	2,00	151	108	11	12	8	6	5
20 x 20		13120 CBR 13120 FBR	18x18	2,00	280	200	15	22	15	12	9
25 x 25		13140 CBR 13140 FBR	22x22	2,00	439	314	19	46	28	22	17
25 x 30		13010 CBR	22x27	2,00	530	379	20	48	32	26	19
30 x 30		13150 CBR	27x27	2,00	670	479	25	52	35	28	21
		13150 FBR									
40 x 40		13020 CBR	37x37	2,00	1281	915	35	116	79	63	47
60 x 40		13030 CBR	56x37	2,00	1974	1410	35	180	122	97	73
		13130 CBR	 36x37  18x37	2,00	1264 619	903 442	30 10	113 55	77 37	61 30	46 22
80 x 40		13050 CBR	73x36	2,00	2668	1906	35	243	164	132	98
100 x 40		13070 CBR	96x36	2,00	3352	2395	35	305	207	166	123
60 x 60		13040 CBR	56x56	2,00	3102	2216	55	282	191	153	114
80 x 60		13060 CBR	76x56	2,00	4192	2994	55	382	259	207	154
100 x 60		13080 CBR	96x56	2,00	5272	3766	55	480	325	260	194

CBR - Complete White; FBR - Adhesive White Complete.

Panelboards



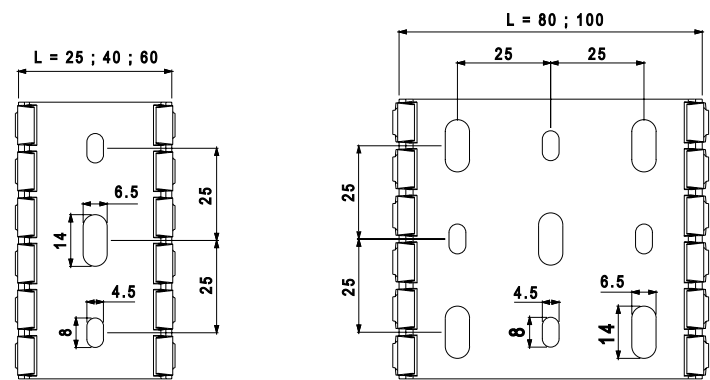
				Trunkings Characteristics				Cables, Pipes and Conductors Capacity				
				Internal Dim.	Length	Internal Section (S)	Available Section (Su)	Max ø Available	Max. Nr. Conductors H07 V-U			
Height (mm)	W x H (mm)	Profile	Ref.	(mm)	(m)	(mm²)	(S/1,4) (mm²)	(mm)	1,5 mm²	2,5 mm²	4 mm²	6 mm²
30	25 x 30		14010 CCZ	22x27	2,00	535	382	20	43	29	23	17
			14010 HCZ									
40	25 x 40		14100 CCZ	22x37	2,00	753	538	20	66	45	36	27
			14100 HCZ									
	40 x 40		14020 CCZ	37x37	2,00	1282	916	35	105	72	57	43
			14020 HCZ									
	60 x 40		14030 CCZ	57x37	2,00	2014	1439	35	163	110	88	66
			14030 HCZ									
	80 x 40		14050 CCZ	77x37	2,00	2763	1974	35	221	150	120	90
			14050 HCZ									
	100 x 40		14070 CCZ	97x37	2,00	3509	2506	35	279	189	152	113
			14070 HCZ									
60	25 x 60		14090 CCZ	22x57	2,00	1194	853	20	111	76	60	45
			14090 HCZ									
	40 x 60		14110 CCZ	37x57	2,00	2024	1446	35	182	123	99	74
			14110 HCZ									
	60 x 60		14040 CCZ	57x57	2,00	3155	2254	55	283	192	154	115
			14040 HCZ									
	80 x 60		14060 CCZ	77x57	2,00	4309	3078	55	385	261	209	156
			14060 HCZ									
	100 x 60		14080 CCZ	97x57	2,00	5458	3899	55	486	329	264	197
			14080 HCZ									
80	40 x 80		14120 CCZ	37x77	2,00	2763	1974	35	260	176	141	105
			14120 HCZ									
	60 x 80		14130 CCZ	56x77	2,00	4255	3039	55	401	272	218	162
			14130 HCZ									
	80 x 80		14140 CCZ	76x77	2,00	5791	4136	75	545	369	296	221
			14140 HCZ									
	100 x 80		14150 CCZ	96x77	2,00	7344	5246	75	689	467	374	279
			14150 HCZ									
100	60 x 100		14160 CCZ	56x96	2,00	5290	3779	55	512	347	278	207
			14160 HCZ									
	80 x 100		14170 CCZ	76x96	2,00	7218	5156	75	697	473	379	282
			14170 HCZ									
	100 x 100		14180 CCZ	96x96	2,00	9155	6539	95	883	599	480	358
			14180 HCZ									

CCZ - Complete Grey; HCZ - Complete Grey Halogen Free.

Halogen Free

Drilling Scheme for the Base and Lateral Sides of the different Trunking sizes (mm)

Base Perforation (mm)



Lateral Perforation (mm)

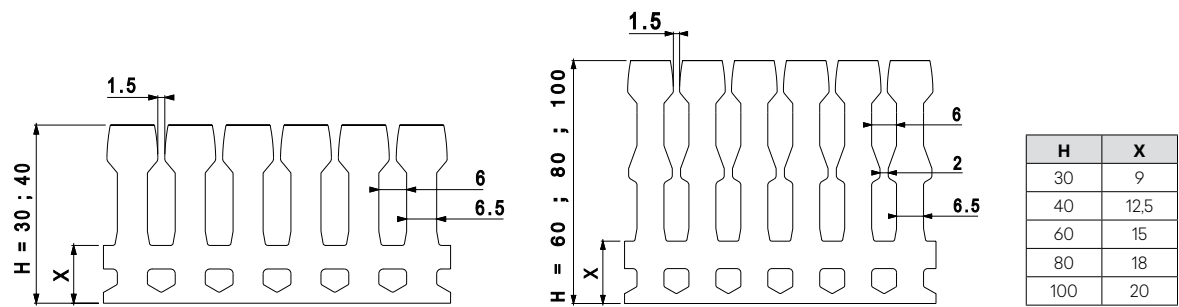


Table of Cables

Power Cables

Diameter and cross sections of commonly used cables
(Sizes may vary depending on manufacturer)

Type of Cable	Nominal Section (mm)	Diameter (mm)	Section (mm²)
H05 VV-F	2x0,75	7,6	58
H05 VV-F	2x1	8,0	64
H05 VV-F	2x1,5	9,0	81
H05 VV-F	2x2,5	11,0	121
H05 VV-F	3 G 0,75	8,0	64
H05 VV-F	3 G 1	8,4	71
H05 VV-F	3 G 1,5	9,8	96
H05 VV-F	3 G 2,5	12,0	144
H07 V-U	1x1,5	2,8	7,84
H07 V-U	1x2,5	3,4	11,56
H07 V-U	1x4	3,8	14,44
H07 V-U	1x6	4,4	19,36
H07 V-K	1x1,5	3,5	12
H07 V-K	1x2,5	4,2	18
H07 V-K	1x4	4,8	23
H07 V-K	1x6	6,3	40
H07 V-K	1x10	7,6	58
VV-0,6/1 KV	3x16+10	20,7	428
VV-0,6/1 KV	3x25+16	23,0	529
VV-0,6/1 KV	3x35+16	25,0	625
VV-0,6/1 KV	4 G 1,5	11,4	130

IT / Telephone Cables

Diameter and cross sections of some commonly used IT cables: UTP, STP, FTP, Coaxial.
(Sizes may vary depending on manufacturer)

Type of Cable	Diameter (mm)	Section (mm²)
4P UTP Cat. 5e Cable	6,2	37,5
4P FTP Cat. 5e Cable	6,9	47,2
4P UTP Cat. 6 Cable	7,6	57
4P FTP Cat. 6 Cable	8,3	68
RG 59 Cable Coaxial	6,2	38,4
RG 58 Cable Coaxial	5	25
RG 11 Cable Coaxial	10,5	110,3
RG 8 Cable Coaxial	10,3	106,1
RG 7 Cable Coaxial	8,1	65,6
RG 6 Cable Coaxial	7	49
TVHV 1x2x0,5 Cable	4,3	18,5
TVHV 2x2x0,5 Cable	5,0	25
TVHV 3x2x0,5 Cable	5,7	32,5
TVHV 6x2x0,5 Cable	6,5	42,3
TVHV 10x2x0,5 Cable	7,8	60,8
TVHV 15x2x0,5 Cable	8,7	75,7
TVHV 20x2x0,5 Cable	9,7	94,1
TVHV 30x2x0,5 Cable	12,0	144
TVHV 40x2x0,5 Cable	13,5	182,3
TVHV 50x2x0,5 Cable	15,0	225
TVHV 100x2x0,5 Cable	20,0	400

Trunking Selection Criteria

Examples for a Typical Installation:

Cables to install

Type of Cable	Quantity (Q)	Nominal Section (S)	Outside Diameter (D) (mm)	Unitary Section (SU) (SU= DxD)	Total Section (ST) (mm²) (SUxQ)
H07 V-U	20	1x4	3,8	14,44	288,8
H07 V-U	15	1x6	4,4	19,36	290,4
H07 V-U	10	1x2,5	3,4	11,56	115,6
H07 V-U	10	1x4	3,8	14,44	144,4
Total Section of Cables (St)					839,2 mm²
Minimum Trunking Size = Total Section of Cables (St) x K = 839,2 x 1,4 =					1174,88 mm²

Typical K values to ensure better ventilation, crossovers and possible expansion:

K = Filling coefficient

K = 1,4 for LV Cables

K = 1,3 for IT and Telephone Cables

K = 1,2 for Ducting

You may opt for the following EFAPEL trunking:

Trunking			
Reference	Description	Internal Section (mm²)	Available Section (mm²)
10080 HBR	110x34	3115	2225
14030 CBR	60x40	2014	1439

EN 50085-2-1 Standard

Section 6	Classification	Mini Cable Skirt		Distribution		
6.2	Resistance to impact for installation and application	12x7	0,5 J	Trunking		Accessories
		110x20	1 J	5 J		2 J
		16x10 / 20x12,5 / 25x16 / 32x12,5 / 32x16 / 40x12,5 / 40x16 / 40x25 / 50x20 / 60x16 / 75x20				
		20x12,5 / 32x12,5 / 32x16 / 40x12,5 / 40x16 / 50x20		2 J	5 J	2 J
6.3	Minimum stock and transport temperature	-25 °C		-45 °C		
6.3	Minimum installation and operation temperature	-5 °C		-25 °C		
6.3	Maximum operation temperature	60 °C		60 °C		
6.4	Flame propagation resistance	Non-flame propagation				
6.5	Electrical continuity	Without electrical continuity				
6.6	Electrical insulation characteristics	With electrical insulation				
6.7	Protection degree provided by the enclosure	IP44				
6.8	Protection against corrosive or polluting substances	With medium protection outside and inside				
6.9	Access system to the retention of the cover	The cover can only be opened with a tool				
6.10	Electrical protective separation	With and without electrical protective partition (divider)				
6.101	Intended installation positions	Surface mounted, fixed in the wall or on the ceiling				
6.102	Prevention of contact between liquids and insulated conductors and live parts parts in the case of mounted in the skirting position and in wet floor	Not declared				
6.103	Type	3 (Installation)				
	Glow wire test	—		Trunking	Trunking accessories (derivation, angles, joint and top)	System Accessories (component with supplementary function e.g. sockets and their fixing accessories)
				1000 °C	1000 °C	650 °C
	Rated voltage	500 V ~		1000 V ~		
	IEC 60884-1 – NP 1260 Fixation of Low Voltage Devices - Extraction resistance test	—		Declared extraction force: 90 N 1,5x90 = 135 N		

Halogen Free

ASTM G-53 Standard

UV Resistant

Accelerated Ageing Chamber Test	Resistant
UV Test	80 h - without changes
Condensation test	40 h - without changes



RoHS - All the Cable-trunkings and the respective Accessories manufactured by EFAPEL meet the specifications of Directive RoHS 2011/65/EU (including the addendum 2015/863) that restricts the use of certain hazardous substances like lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), Bis (2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP), diisobutyl phthalate (DIBP).

EN 50085-2-2 Standard

Section 6	Classification	Floor Cable Trunkings
6.2	Resistance to impact for installation and application	2 J
6.3	Minimum stock and transport temperature	-25 °C
6.3	Minimum installation and operation temperature	-5 °C
6.3	Maximum operation temperature	60 °C
6.4	Flame propagation resistance	Non-flame propagation
6.5	Electrical continuity	Without electrical continuity
6.6	Electrical insulation characteristics	With electrical insulation
6.7	Protection degree provided by the enclosure	IP44
6.8	Protection against corrosive or polluting substances	With medium protection outside and inside
6.9	Access system to the retention of the cover	The cover can only be opened with a tool
6.10	Electrical protective separation	With electrical protective partition (divider)
6.101.3	Floor treatment	CTS/CDS for wet-treatment of floor when the service unit is in use
6.102	Resistance to vertical load applied through small surface area	500 N
6.103	Resistance to vertical load applied through large surface area	2000 N
	Rated voltage	500 V ~

ASTM G-53 Standard
UV Resistant

Accelerated Ageing Chamber Test	Resistant
UV Test	80 h - without changes
Condensation test	40 h - without changes

RoHS

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EN 50085-2-1 Standard

Section 6	Classification	Trunkings for L45 Cover - Snap-ON		
6.2	Resistance to impact for installation and application	2 J		
6.3	Minimum stock and transport temperature	-45 °C		
6.3	Minimum installation and operation temperature	-15 °C		
6.3	Maximum operation temperature	60 °C		
6.4	Flame propagation resistance	Non-flame propagation		
6.5	Electrical continuity	Without electrical continuity		
6.6	Electrical insulation characteristics	With electrical insulation		
6.7	Protection degree provided by the enclosure	IP44		
6.8	Protection against corrosive or polluting substances	With medium protection outside and inside		
6.9	Access system to the retention of the cover	The cover can only be opened with a tool		
6.10	Electrical protective separation	With electrical protective partition (divider)		
6.101	Intended installation positions	Surface mounted, fixed in the wall or in the ceiling		
6.102	Prevention of contact between liquids and insulated conductors and live parts parts in the case of mounted in the skirting position and in wet floor	Not declared		
6.103	Type	3 (Installation)		
	Glow wire test	Trunking	Trunking Accessories (derivation, angles, joint and top)	System Accessories (component with supplementary function e.g. sockets and their fixing accessories)
		1000 °C	1000 °C	650 °C
	Rated voltage	1000 V ~		
	IEC 60884-1 – NP 1260 Fixation of Low Voltage Devices - Extraction resistance test	Declared extraction force: 90 N 1,5x90 = 135 N		

ASTM G-53 Standard

UV Resistant

Accelerated Ageing Chamber Test	Resistant
UV Test	80 h - without changes
Condensation test	40 h - without changes



RoHS - All the Cable-trunkings and the respective Accessories manufactured by EFAPL meet the specifications of Directive RoHS 2011/65/EU (including the addendum 2015/863) that restricts the use of certain hazardous substances like lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), Bis (2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP), diisobutyl phthalate (DIBP).

EN 50085-2-1 Standard

Section 6	Classification	Cable Cable Trunkings for Protection of Cables and Pipes			
6.2	Resistance to impact for installation and application	Trunking		Accessories	
		10x10 / 15x15	1 J	10x10 / 15x15	0,5 J
		20x20 / 25x25 / 25x30 / 30x30	2 J	20x20 / 25x25 / 25x30 / 30x30 / 40x40 / 60x40 / 60x60 / 80x40 / 80x60 / 100x40 / 100x60	2 J
		40x40 / 60x40 / 60x60 / 80x40 / 80x60 / 100x40 / 100x60	5 J		
6.3	Minimum stock and transport temperature	-25 °C			
6.3	Minimum installation and operation temperature	-5 °C			
6.3	Maximum operation temperature	60 °C			
6.4	Flame propagation resistance	Non-flame propagation			
6.5	Electrical continuity	Without electrical continuity			
6.6	Electrical insulation characteristics	With electrical insulation			
6.7	Protection degree provided by the enclosure	IP44			
6.8	Protection against corrosive or polluting substances	With medium protection outside and inside			
6.9	Access system to the retention of the cover	The cover can only be opened with a tool			
6.10	Electrical protective separation	With and without electrical protective partition (divider)			
6.101	Intended installation positions	Surface mounted, fixed in the wall or in the ceiling			
6.102	Prevention of contact between liquids and insulated conductors and live parts parts in the case of mounted in the skirting position and in wet floor	Not declared			
6.103	Type	2 (Distribution)			
	Rated voltage	500 V ~			

ASTM G-53 Standard
UV Resistant

Accelerated Ageing Chamber Test	Resistant
UV Test	80 h - without changes
Condensation test	40 h - without changes



RoHS - All the Cable-trunkings and the respective Accessories manufactured by EFAPEL meet the specifications of Directive RoHS 2011/65/EU (including the addendum 2015/863) that restricts the use of certain hazardous substances like lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), Bis (2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP), diisobutyl phthalate (DIBP).

EN 50085-2-3 Standard

Section 6	Classification	Cable Trunkings for Panelboards
6.3	Minimum stock and transport temperature	-25 °C
6.3	Maximum operation temperature	60 °C
6.4	Flame propagation resistance	Non-flame propagation
6.101	Intended installation positions	Mounted on vertical or horizontal surface except in cover down position

ASTM G-53 Standard**UV Resistant**

Accelerated Ageing Chamber Test	Resistant
UV Test	80 h - without changes
Condensation test	40 h - without changes

Halogen Free

EN 50085-2-3 Standard

Section 6	Classification	Cable Trunkings for Panelboards
6.3	Minimum stock and transport temperature	-25 °C
6.3	Maximum operation temperature	60 °C
6.4	Flame propagation resistance	Non-flame propagation
6.101	Intended installation positions	Mounted on vertical or horizontal surface except in cover down position

Halogen Free

ASTM G-53 Standard**UV Resistant**

Accelerated Ageing Chamber Test	Resistant
UV Test	80 h - without changes
Condensation test	40 h - without changes

RoHS

RoHS - All the Cable-trunkings and the respective Accessories manufactured by EFAPEL meet the specifications of Directive RoHS 2011/65/EU (including the addendum 2015/863) that restricts the use of certain hazardous substances like lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), Bis (2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP), diisobutyl phthalate (DIBP).

Protection Index (IK) - EN 50102 Standard
ETS 10 - Cable Trunkings for Electrical and Telecommunication Installations

Ref.	Outside Dimensions (mm)	Protection Against the Mechanical Impact - IK	
Mini Cable		Trunkings	Accessories
10010	12x7	05	05
10020	16x10	07	07
10030	20x12,5	07	07
		08	07
10450	25x16	07	07
10400 10410	32x12,5	07	07
		08	07
10040	32x16	07	07
		08	07
10050 10150	40x12,5	07	07
		08	07
10060 10160	40x16	07	07
		08	07
10480	40x25	07	07
10500 10510 10520	50x20	07	07
		08	07
10070 10170	60x16	07	07
10140	75x20	07	07
Snap-ON L45		Trunkings	Accessories
11020	100x50	08	07
11030	155x50		
11040	190x50		
Universal L75		Trunkings	Accessories
10080	110x34	09	08
		09	08
10090	110x50	09	08
		09	08
10180	90x50	09	08
		09	08
10290	180x50	09	08
		09	08
Skirt		Trunkings	Accessories
10100	110x20	05	05
Floor		Trunkings	Accessories
10110	50x12	07	06
10120	75x17		

Halogen Free

Protection Index (IK) - EN 50102 Standard**ETS 13** - Cable Trunkings for Protection of Cables and Pipes

Ref.	Outside Dimensions (mm)	Protection Against the Mechanical Impact - IK	
		Trunkings	Accessories
13100	10x10	06	06
13100	15x15		
13120	20x20	07	07
13140	25x25		
13010	25x30	08	07
13150	30x30		
13020	40x40		
13030	60x40		
13040	60x60		
13050	80x40		
13060	80x60		
13070	100x40		
13080	100x60		

RJ45 Connectors - Cat 6A | Cat 6 UTP

Description



RJ45 Cat. 6A UTP Connector (500 MHz)
Ref. 82021 (Blue)



RJ45 Cat. 6 UTP Connector (250 MHz)
Ref. 21978 (Red)

Universal KEYSTONE clamping system

*PoE - Power Over Ethernet



Characteristics

Reduced size

Fast connection

Connection **without tools** (Connectors with **self-peeling system**)
Robust and secure connection, provided by an effective conductors fixation system

Compatible with cables: **23-26 AWG**

Compatible with RACK high density (**Ref. 21978** - RACK Cat. 6 and **Ref. 82021** - RACK Cat. 6A)

Compatible with colors code EIA/TIA 568A and EIA/TIA 568B

Full PoE compliance - In accordance with IEC 60512-99-002 Standard: Type 4 / Class Power 8

In accordance with TIA 568.2-D, ISO 11801, EN 50173-1 and IEC 60603-7-4 Standards; Connection without tools (connectors with self-peeling system)

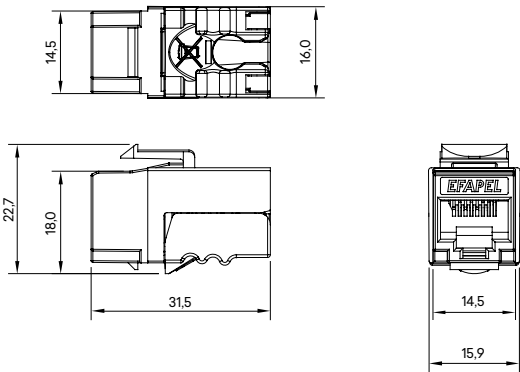
Connections

TERMINALS	EIA / TIA 568A		EIA / TIA 568B	
	PAIR	WIRE COLOR	PAIR	WIRE COLOR
 PIN 5	1	White / Blue	1	White / Blue
PIN 4		Blue		Blue
PIN 1	3	White / Green	2	White / Orange
PIN 2		Green		Orange
PIN 3	2	White / Orange	3	White / Green
PIN 6		Orange		Green
PIN 7	4	White / Brown	4	White / Brown
PIN 8		Brown		Brown

Installation



Dimensions (mm)



RJ45 Connectors - UTP | STP

Description



RJ45 Cat. 6 UTP Connector - RACK ASSEMBLY
Ref. 82020

Unshielded
Universal KEYSTONE clamping system



RJ45 Cat. 6A STP Connector
Ref. 82022



RJ45 Cat. 6 STP Connector
Ref. 21988

RJ45 Cat. 5e STP Connector
Ref. 21985

Shielded
Universal KEYSTONE clamping system

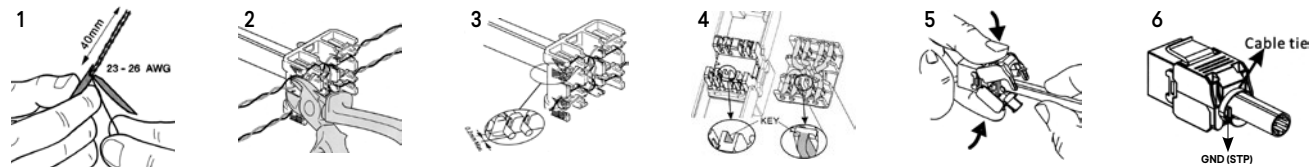
Characteristics

Reduced size
Fast connection
Connection **without tools** (Connectors with **self-peeling system**)
Compatible with cables: **23-26 AWG**
Compatible with both 110 and Krone push down tool
Compatible with colors code EIA/TIA 568A and EIA/TIA 568B
Insertion force: **20 N max.** IEC 60603-7-4 (UTP)
Insertion force: **30 N max.** IEC 60603-7-5 (STP)
Operation temperature: **-10 °C to +60 °C**
Retention strength: **7,7 kgf**
Durability: **750 cycles**
Full PoE compliance - IEEE 802.3bt Type 4 PoE++ (4PPoE)
PoE: **60 V** $\approx$ (100 W)
In accordance with ANSI/TIA 568.2-D, ISO/IEC 11801-1, Class D/E/EA, IEC 60603-7-1 and IEC 60512-99-002 Standard

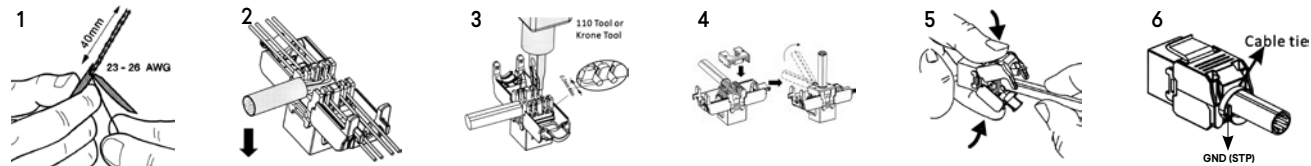
Connections

TERMINALS	EIA / TIA 568A		EIA / TIA 568B	
	PAIR	WIRE COLOR	PAIR	WIRE COLOR
 PIN 5	1	White / Blue	1	White / Blue
PIN 4		Blue		Blue
PIN 1	3	White / Green	2	White / Orange
PIN 2		Green		Orange
PIN 3	2	White / Orange	3	White / Green
PIN 6		Orange		Green
PIN 7	4	White / Brown	4	White / Brown
PIN 8		Brown		Brown

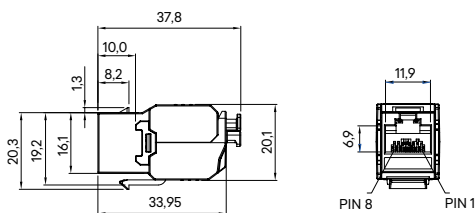
Tool-free



Punch down



Dimensions (mm)



Couplers for Fiber Optic Connectors

Description



Couplers for Fiber Optic Connectors

Ref. 82211 - SC-APC Duplex

Ref. 82210 - SC-APC Simplex

Ref. 82213 - LC Duplex

Protective Cover

Ref. 82971 - Duplex

Ref. 82970 - Simplex

Characteristics

Durability: **500 cycles**

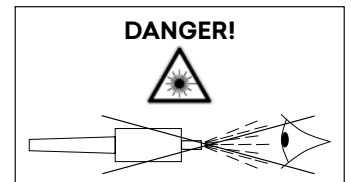
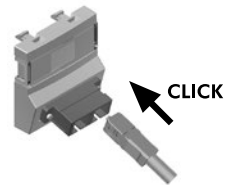
Tension strength: **10 kgf**

Insertion losses: **< 0,2 dB** (single mode)

Operation temperature: **-20 °C to +70 °C**

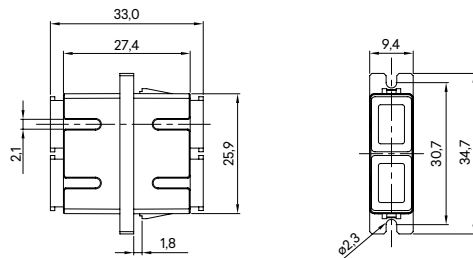
Storage temperature: **-40 °C to +80 °C**

Connections

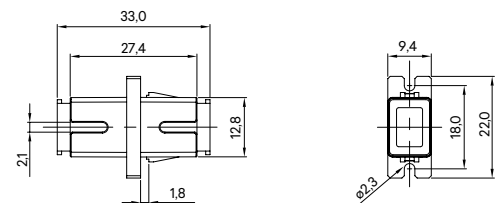


Dimensions (mm)

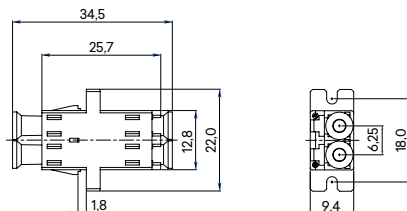
SC-APC Duplex



SC-APC Simplex

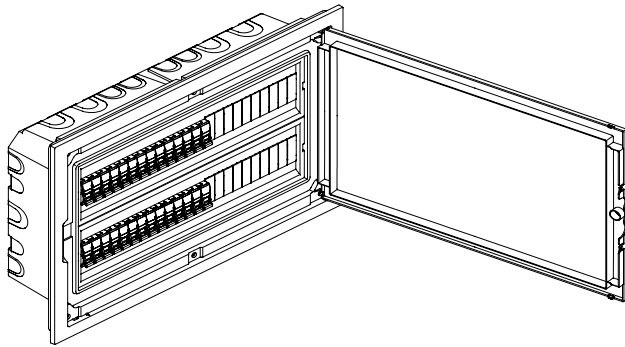


LC Duplex



Distribution Panelboard | ICB Incomer Panelboard

Description



omega

Low Profile Distribution Panelboard allow modular switchgear to be fixed.

Standard: EN 62208 / EN 61439-3.

Insulation Class: II.

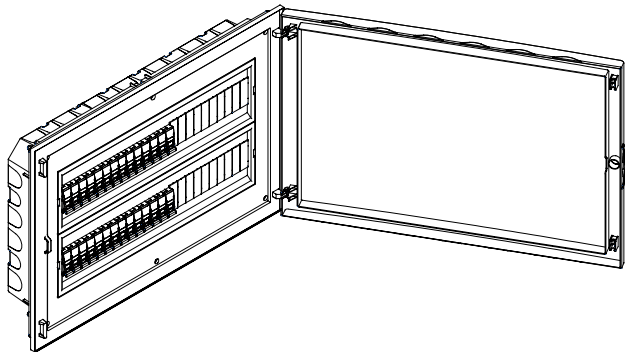
White Color - RAL 9003.

Reversible door.

Rotary Lever Lock or Keylock option.

Removable frame.

IK07



beta

Low Depth Distribution Panelboard allow modular switchgear to be fixed.

Standard: EN 62208 / EN 61439-3.

Insulation Class: II.

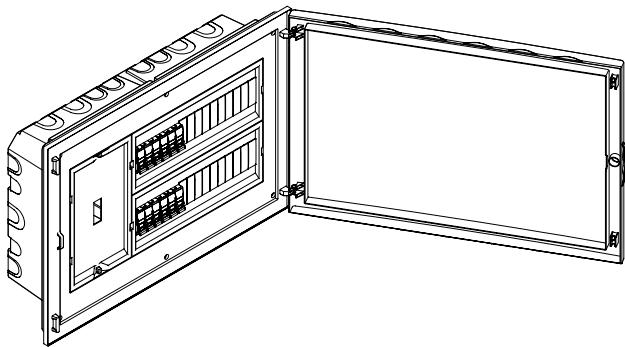
White Color - RAL 9003.

Reversible door opens up to 180°.

Rotary Lever Lock or Keylock option.

Removable frame.

IK07



gamma

Distribution Panelboard allow modular switchgear to be fixed.

ICB Incomer Panels allow modular switchgear to be fixed and Incomer Circuit Breaker (Power Control Device) for Panelboard. (ICB).

Standard: EN 62208 / EN 61439-3.

Insulation Class: II.

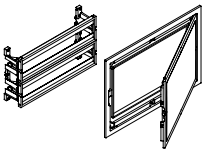
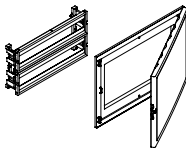
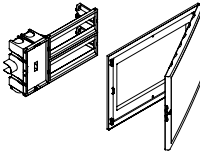
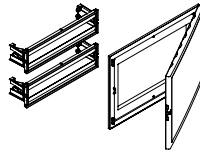
White Color - RAL 9003.

Reversible door opens up to 180°.

Rotary Lever Lock or Keylock option.

IK07

Compatibility Table - Semi-assembled

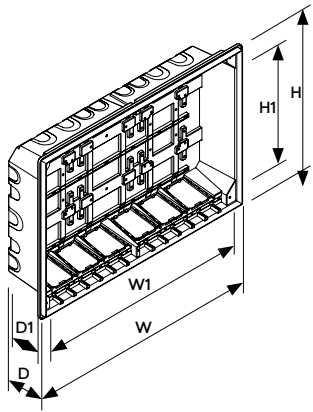
	 omega (Distribution) 620xx xJB	 beta (Distribution) 610xx xJB	 gamma (ICB) 600xx xKB	 gamma (Distribution) 600xx xJB
 Standard Back Box 600xx xGB	✓	✗	✓	✓
 Low Depth Back Box 610xx xGB	✗	✓	✗	✗

• xx x - Digits to be set for the product code

ICB - Incomer Circuit Breaker (Power Control Device) for Panelboard.

Distribution Panelboard | ICB Incomer Panelboard

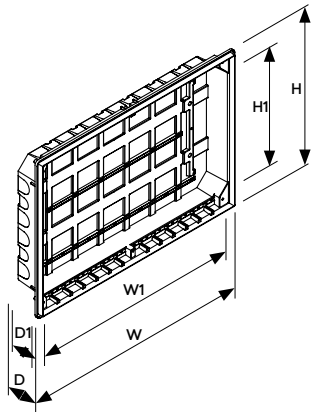
Dimensions (mm)



omega / gamma

Flush Mounting Back Boxes for Panelboards

Ref.	W (mm)	H (mm)	D (mm)	W1 (mm)	H1 (mm)	D1 (mm)
60004	192	255	113	170	188	92
60008	264	255	113	242	188	92
60012	336	255	113	314	188	92
60016	264	380	113	242	313	92
60024	336	380	113	314	313	92
60032	408	380	113	386	313	92
60040	480	380	113	458	313	92
60048	552	380	113	530	313	92
60060	480	505	113	458	438	92
60080	480	630	113	458	563	92

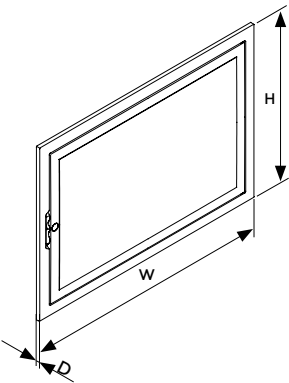


beta

Low Depth Flush Mounting Back Boxes for Panelboards

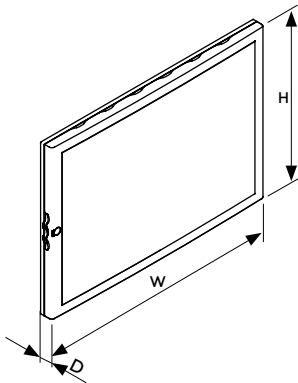
Ref.	W (mm)	H (mm)	D (mm)	W1 (mm)	H1 (mm)	D1 (mm)
61004	192	255	75	170	194	65
61008	264	255	75	242	194	65
61012	336	255	75	314	194	65
61016	264	380	75	242	319	65
61024	336	380	75	314	319	65
61032	408	380	75	386	319	65
61040	480	380	75	458	319	65
61048	552	380	75	530	319	65
61060	480	505	75	458	444	65
61080	480	630	75	458	569	65

Door Dimensions (mm)



omega

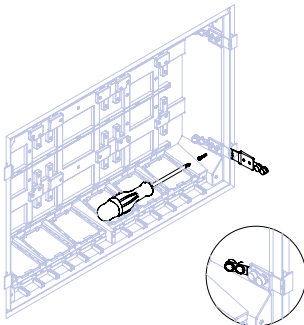
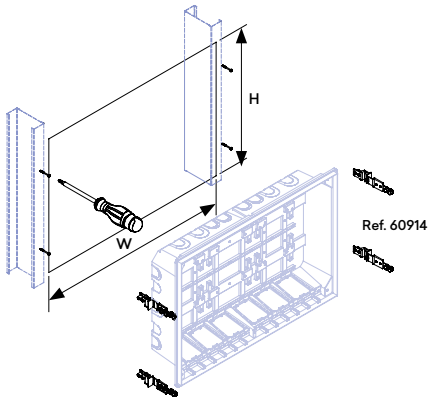
Ref.	W (mm)	H (mm)	D (mm)
62004	217	275	11
62008	289	275	11
62012	361	275	11
62016	289	400	11
62024	361	400	11
62032	433	400	11
62040	505	400	11
62048	577	400	11
62060	505	525	11
62080	505	650	11



beta / gamma

Ref.	W (mm)	H (mm)	D (mm)
60004 61004	217	275	35
60008 61008	289	275	35
60012 61012	361	275	35
60016 61016	289	400	35
60024 61024	361	400	35
60032 61032	433	400	35
60040 61040	505	400	35
60048 61048	577	400	35
60060 61060	505	525	35
60080 61080	505	650	35

Installation for Hollow Wall Flush Mounting Boxes

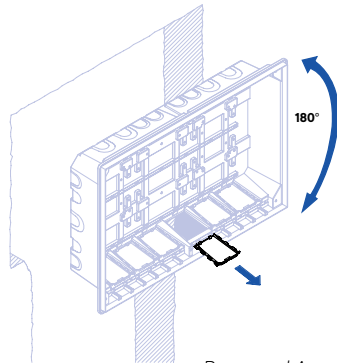


Ref.	W (mm)	H (mm)
60004 61004	197	260
60008 61008	269	260
60012 61012	341	260
60016 61016	269	385
60024 61024	341	385
60032 61032	413	385
60040 61040	485	385
60048 61048	557	385
60060 61060	485	510
60080 61080	485	635

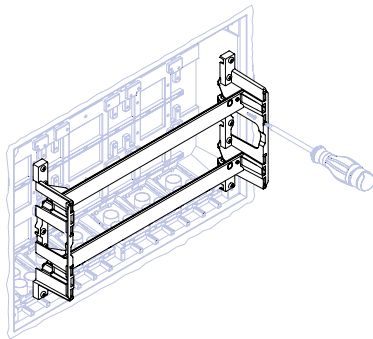
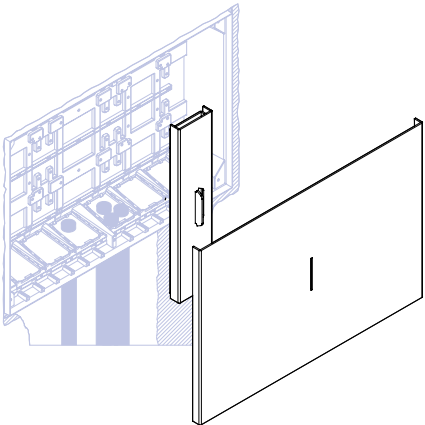
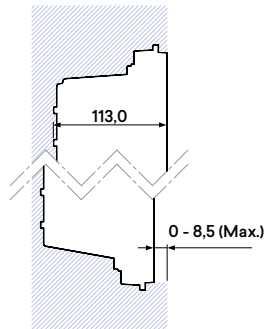
Distribution Panelboard | ICB Incomer Panelboard

Assembly Diagram - Distribution Panelboard

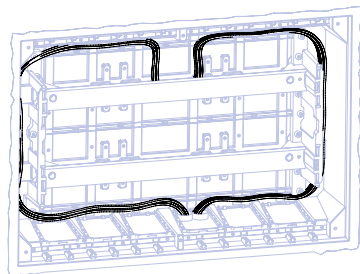
omega / gamma



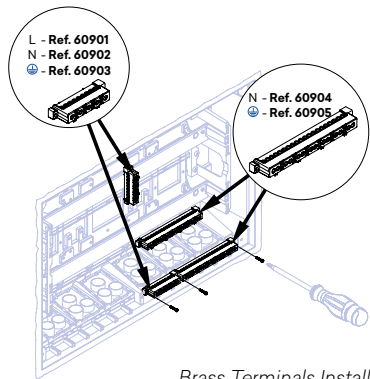
Recessed Assembly



DIN Rail Installation

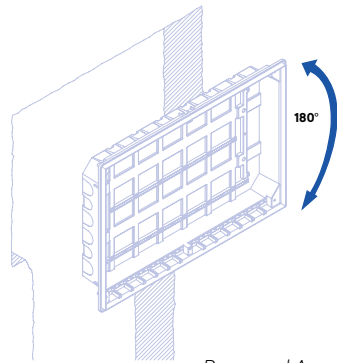


Easy Wiring

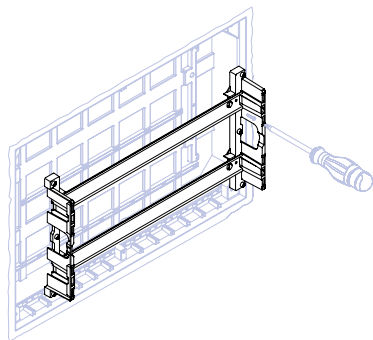
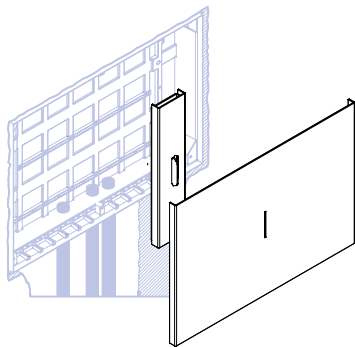
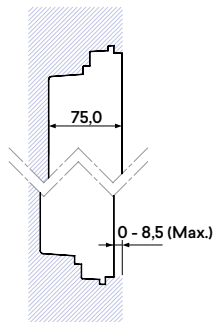


Brass Terminals Installation

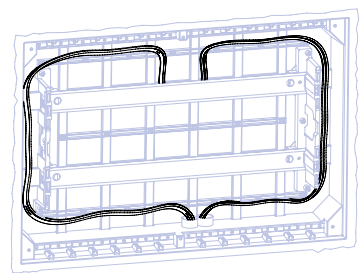
beta



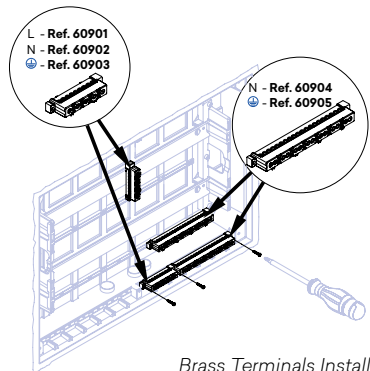
Recessed Assembly



DIN Rail Installation



Easy Wiring

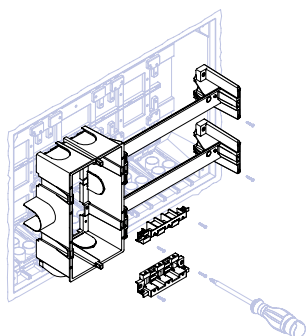


Brass Terminals Installation

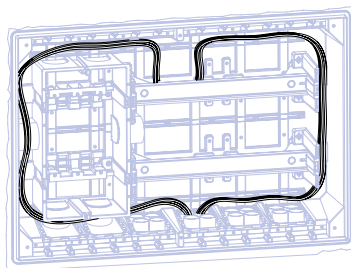
Distribution Panelboard | ICB Incomer Panelboard

Assembly Diagram - ICB Incomer Panels

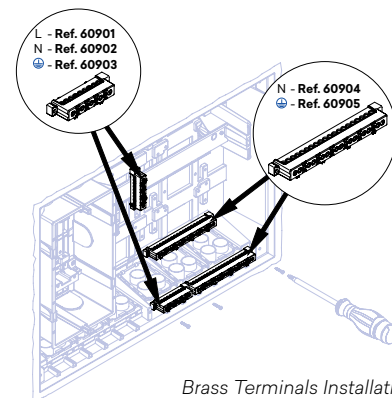
gamma



ICB on left (or right)

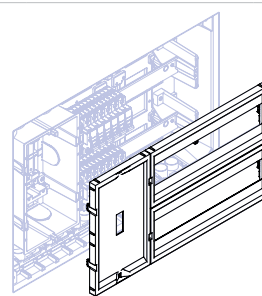
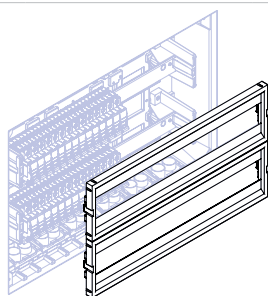


Easy Wiring



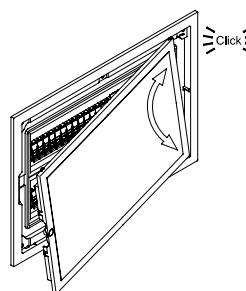
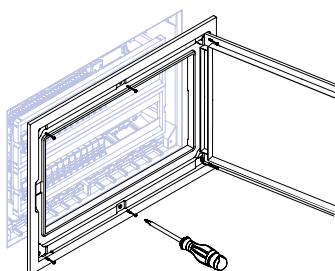
Brass Terminals Installation

Assembly Diagram - Masks

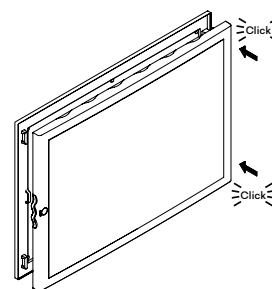
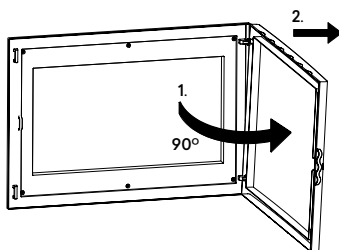
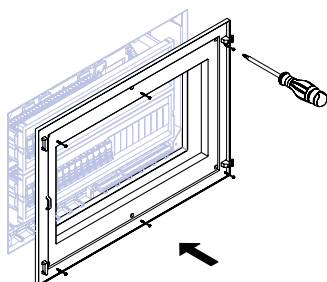


Assembly and Dismantling of Doorframe and Door

omega

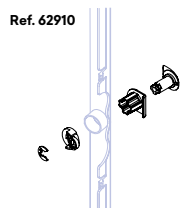
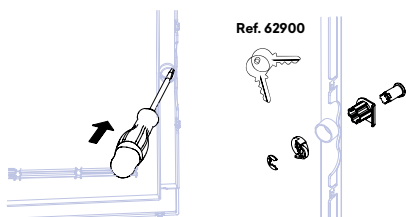


beta / gamma

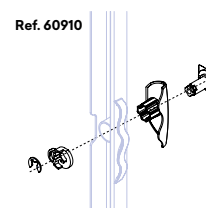
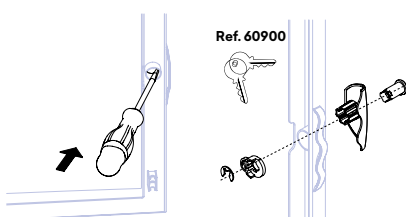


Rotary Lever Lock or Keylock Assembly

omega



beta / gamma



Distribution Panelboard | ICB Incomer Panelboard

Classification - EN 62208 Standard

Section 4	Classification	Panelboards
a	Type of material	Insulating
b	Type of installation	Recessed assembly To be installed in hollow walls
c	Installation location	Interior
d	Degrees of Protection	IP20 in accordance with IEC 60529 IK07 in accordance with IEC 62262
e	Insulating voltage	Ui=400 V; Rated current: In ≤ 63 A with 230-400 V
Section 6.3	Documentation	Panelboards
	Admissible loads	Maximum load admissible load within the enclosure is 200 kg/m ³ Do not apply weight to cover
	Lifting devices, where necessary	Not applicable
	Devices for protection from electric shocks	Not applicable, plastic enclosure
	Applicable conditions of use	Interior installation: Temperatures between -5 °C and +40 °C
	Data on capacity to dissipate thermal energy	Maximum interior thermal charge (1)

omega (1)	
62004	12 W
62008	16 W
62012	21 W
62016	24 W
62024	29 W
62032	37 W
62040	41 W
62048	49 W
62060	54 W
62080	64 W

beta (1)	
61004	10 W
61008	14 W
61012	18 W
61016	21 W
61024	27 W
61032	34 W
61040	37 W
61048	44 W
61060	48 W
61080	60 W

gamma (1)			
60004 1AB	12 W	60016 2BB	37 W
60008 1AB	16 W	60024 2BB	41 W
60012 1AB	21 W	60032 2BB	49 W
60016 2AB	24 W	60044 3BB	54 W
60024 2AB	29 W	60064 4BB	64 W
60032 2AB	37 W		
60040 2AB	41 W		
60048 2AB	49 W		
60060 3AB	54 W		
60080 4AB	64 W		

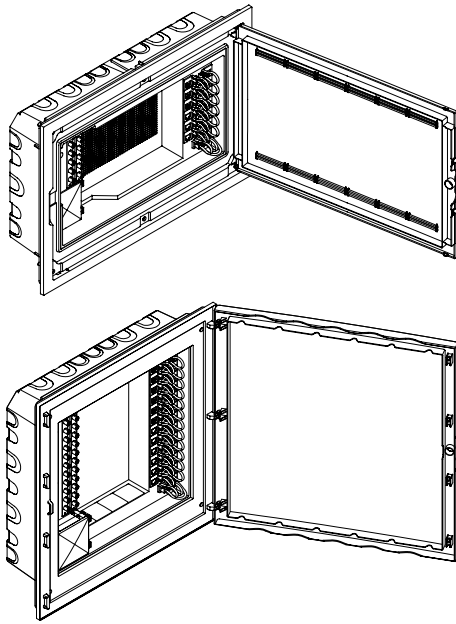
Specific Classification - EN 61439-3 Standard

Section 5.6	Documentation	Panelboards
	Nominal frequency (nf)	50 Hz
	Level of pollution	2
	Earth systems	TN
	Users	For use by people without training
	EMF environment	Type B
	Protection for people	Isolated command body and insulated enclosure - class II insulation
	Maximum stipulated short-circuit current for the protective devices (max. ICC)	10 kA
	Installation conditions	3.5.1 Interior 3.5.3 Fixed
	Exterior design	3.3.3 Closed assembly 3.3.10 Set for recessed fixing on a wall
	Type of DBO	3.1.103 DBO type B

Note: Should not be assembled in high-risk areas, such as places subject to variations in temperature and high pressure, locations with strong magnetic fields, or atmospheres subject to explosions, fires, vibrations and exceptional voltage fluctuations.

Telecommunication Panelboard

Description

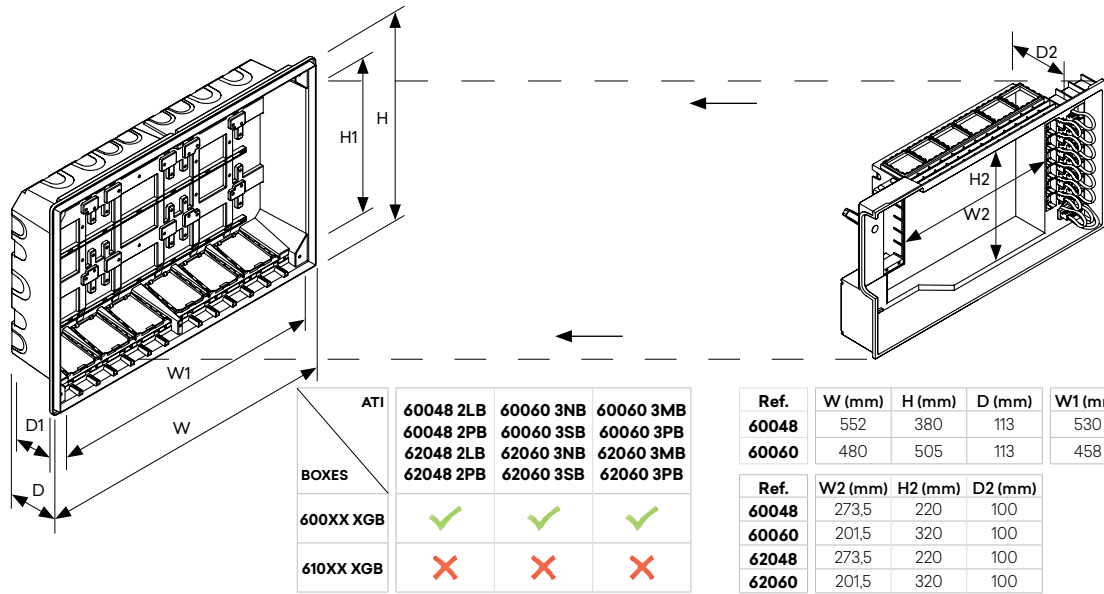


omega | gamma

- 6 Coaxial Cable Outputs (CC).
- Up to 12 Copper Pair Outputs (PC).
- 8 Coaxial Cable Outputs (CC).
- Up to 24 Copper Pair Outputs (PC).
- 12 Coaxial Cable Outputs (CC).
- Up to 24 Copper Pair Outputs (PC).
- Optical fiber organiser with 4 SC/APC couplers.
- Space available for live voltage equipment.
- Supplied with Schuko Socket.
- Supplied with Brass Terminal Earth Connection.
- White Color - RAL 9003.
- Reversible door.
- Rotary Lever Lock or Keylock option.

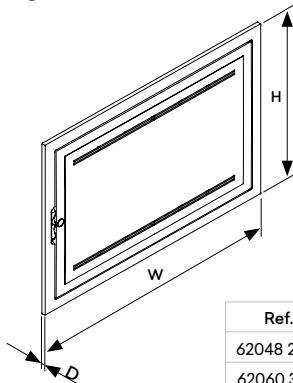
Note: Telecommunication panelboard not available in "BETA" Series.

Dimensions (mm)



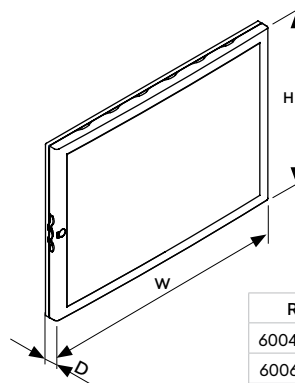
Door Dimensions (mm)

omega



Ref.	W (mm)	H (mm)	D (mm)
62048 2QB	577	400	11
62060 3RB	505	525	11

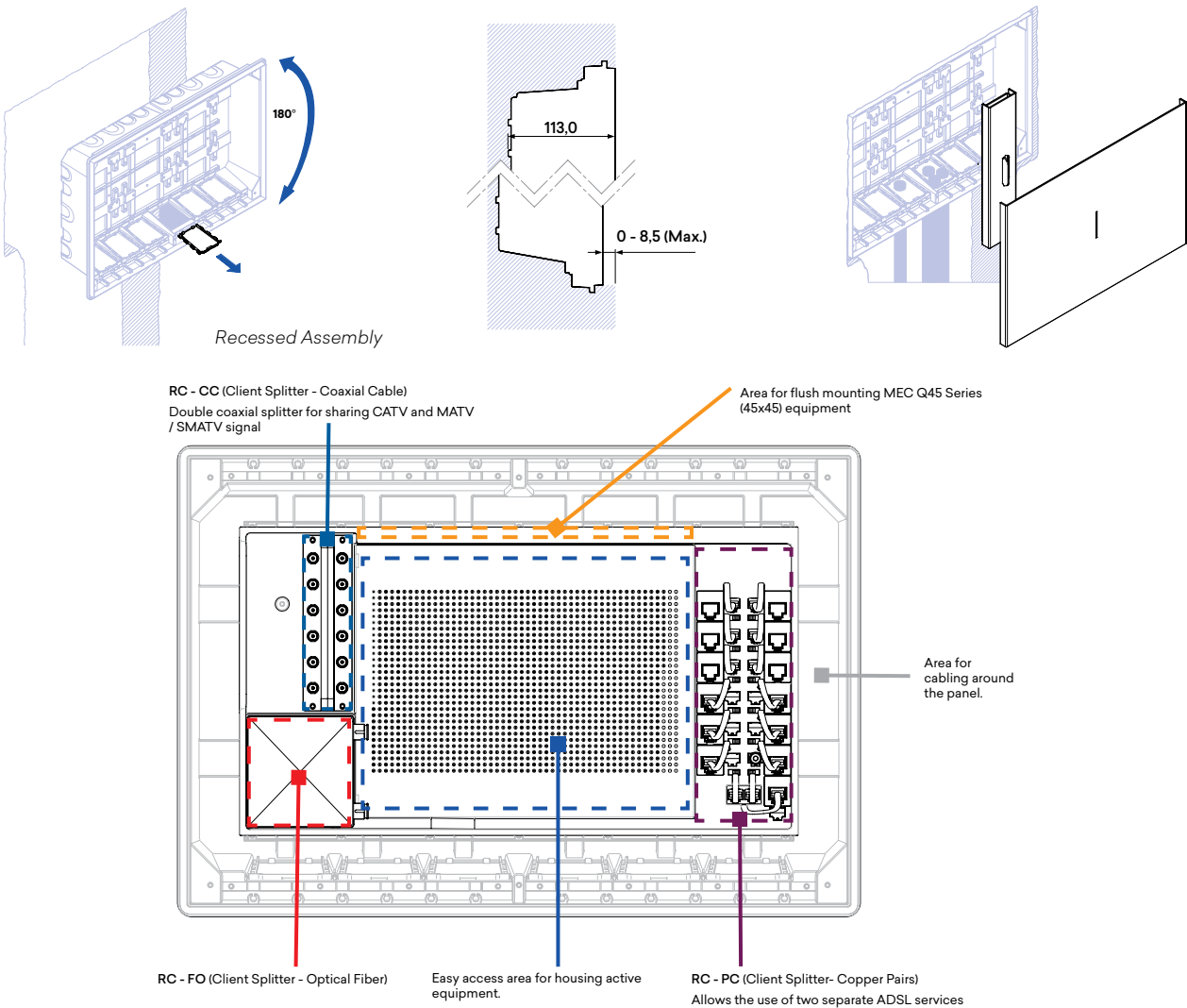
gamma



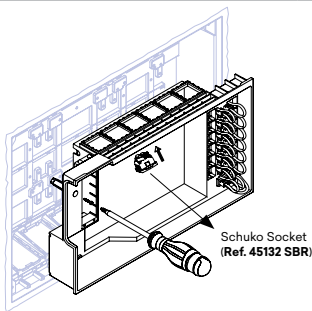
Ref.	W (mm)	H (mm)	D (mm)
60048 2QB	577	400	35
60060 3RB	505	525	35

Telecommunication Panelboard

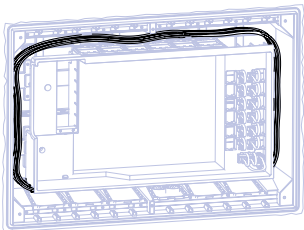
Assembly Diagram



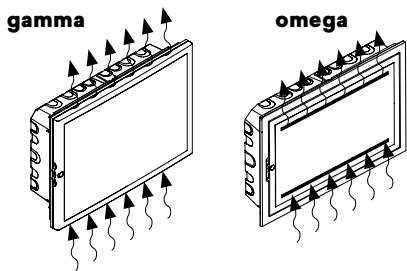
Telecom Panelboard Interior Assembly



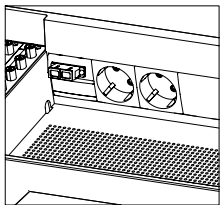
Easy Wiring



Characteristics



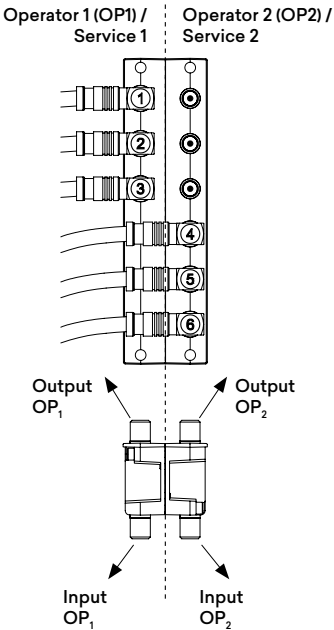
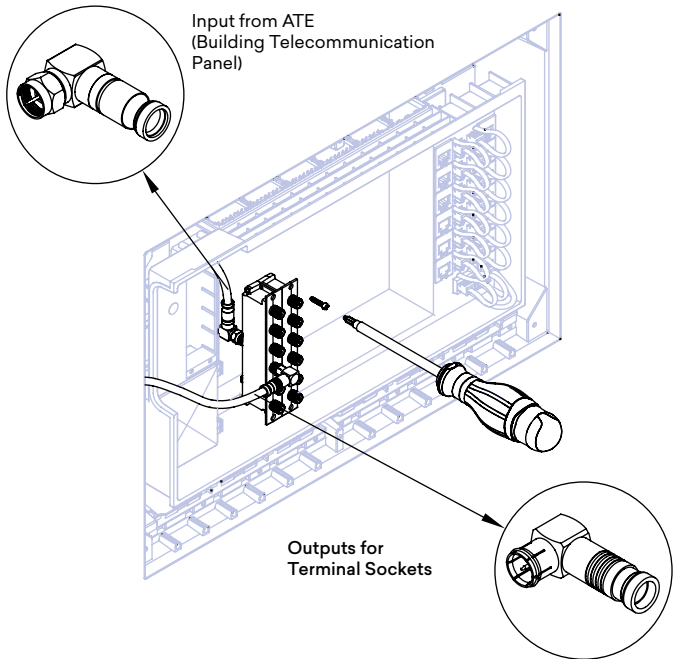
Heat dissipation capacity.
Space available for housing active equipment.
Possibility for multiple configurations through the installation of the MEC Q45 series modules (45x45).



Telecommunication Panelboard

Assembly Diagram

RC - CC (CLIENT SPLITTER - COAXIAL CABLE)

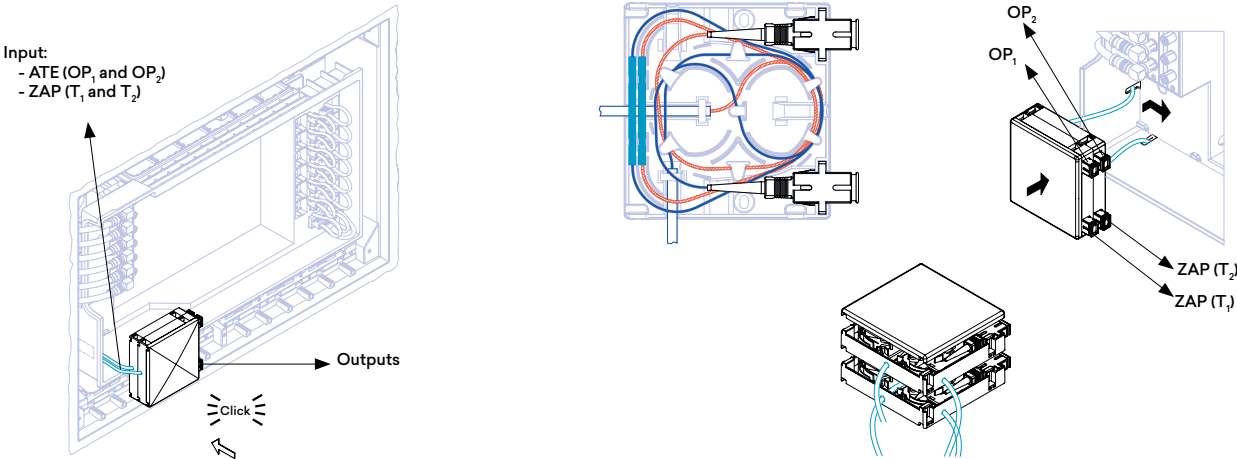


RC - CC (CLIENT SPLITTER - COAXIAL CABLE) - IMPEDANCE OF 75 Ohm

SPLITTER TYPE	CONNECTOR/ OUTPUTS	NUMBER OF OUTPUTS	INSERTION LOSSES dB (*)			INSULATION BETWEEN OUTPUTS (dB)	RETURN LOSSES		FLOW DC OUTPUTS - INPUT
			5-1000 MHz	1000-2150 MHz	2150-2400 MHz		MHz	dB	
RC-CC6	F	6	11	14	15	> 20 dB	5-40 40-1000 1000-1750 1750-2400	≥ 10,0 ≥ 13,0 ≥ 12,0 ≥ 11,0	YES MAX. 30 V _{DC} 700 mA
RC-CC8	F	8	12,5	15	16		5-40 40-1000 1000-1750 1750-2400	≥ 10,0 ≥ 12,0 ≥ 12,0 ≥ 10,0	
RC-CC12	F	12	15,5	19	21		5-40 40-300 300-1000 1000-1750 1750-2400	≥ 7,5 ≥ 8,5 ≥ 13,0 ≥ 12,0 ≥ 11,0	

(*) Nominal values (tolerance 2 dB)

RC - FO (CLIENT SPLITTER - OPTICAL FIBER)

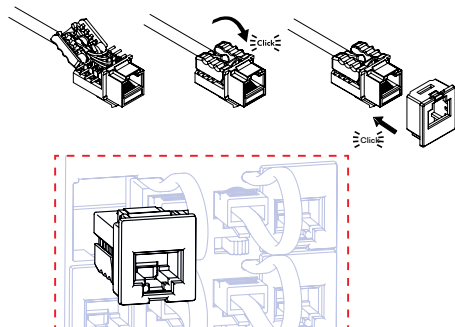


Telecommunication Panelboard

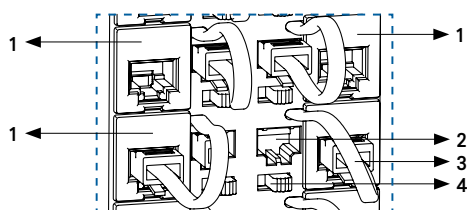
Assembly Diagram

RC - PC (CLIENT SPLITTER - COPPER PAIRS)

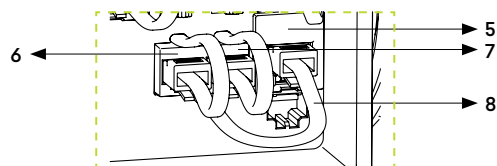
Section A



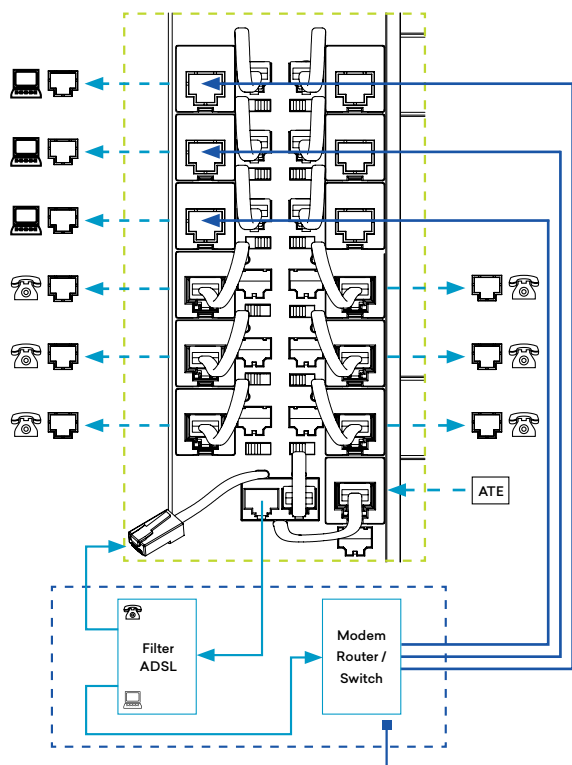
Section B



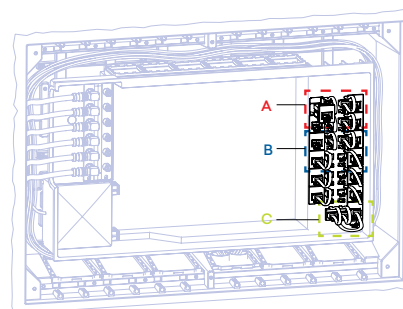
Section C



ADSL Connection

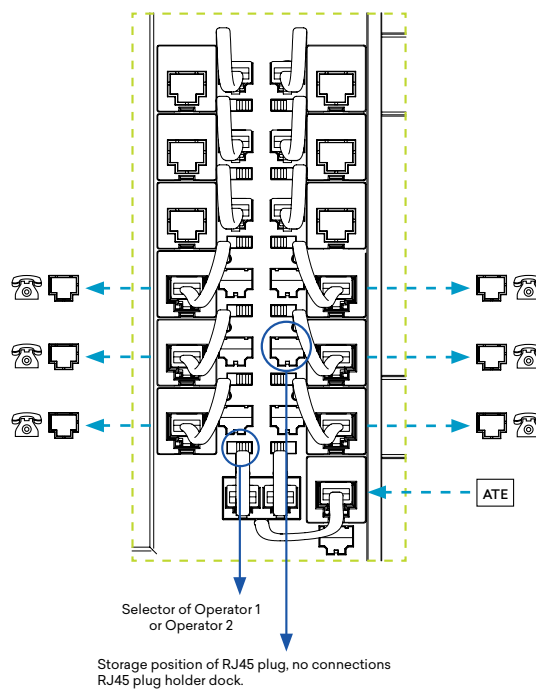


Active equipment to be housed inside the Telecommunication Panelboard



1. RJ45 connector, where the cable coming from the house telecommunications sockets is connected.
2. RJ45 plug holder dock.
3. Wire RJ45 plug with the telephone signal for Operator 1 or Operator 2 depending on the selector position. (Secondary)
4. Telephone operator selector
5. RJ45 connector, where the connection of the cable from the building's panel is made (Primary)
 - Operator 1 in pair 4-5;
 - Operator 2 in pair 6-3;
6. Operator 1.
7. Operator 2.
8. RC - CP input through a RJ45 plug.

Telephone Distribution

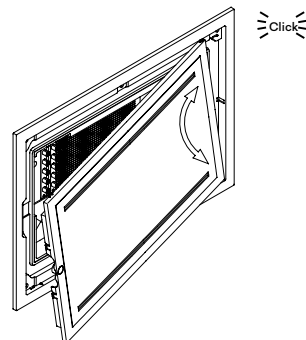
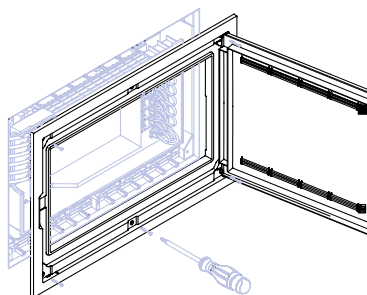


Storage position of RJ45 plug, no connections
RJ45 plug holder dock.

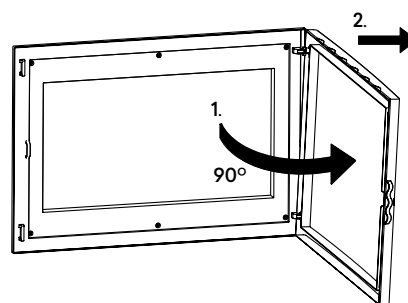
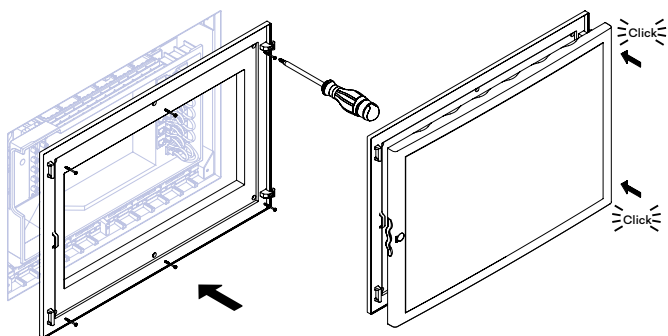
Telecommunication Panelboard

Assembly and Dismantling of Doorframe and Door

omega

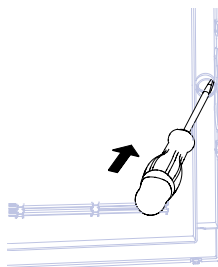


gamma

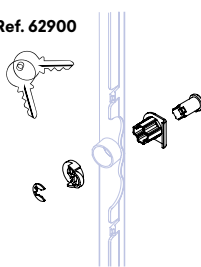


Rotary Lever Lock or Keylock Assembly

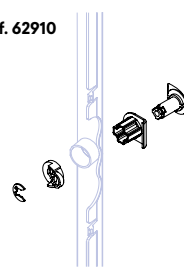
omega



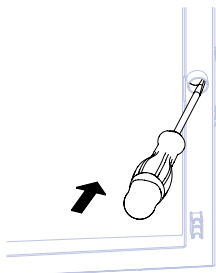
Ref. 62900



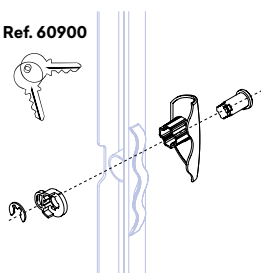
Ref. 62910



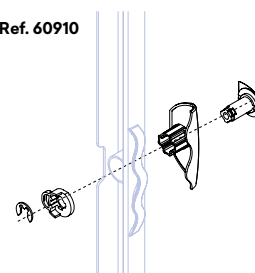
gamma



Ref. 60900



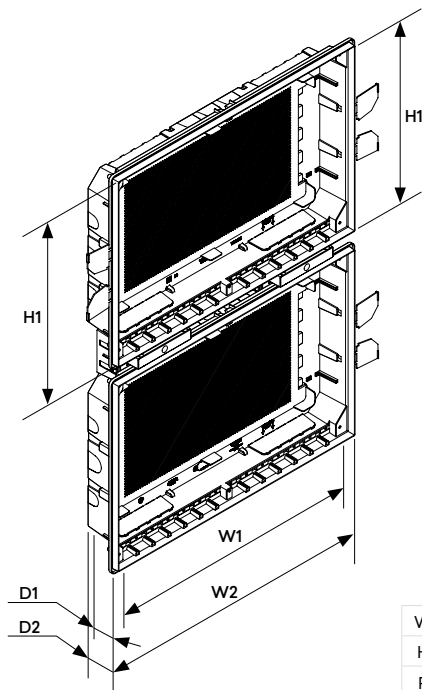
Ref. 60910



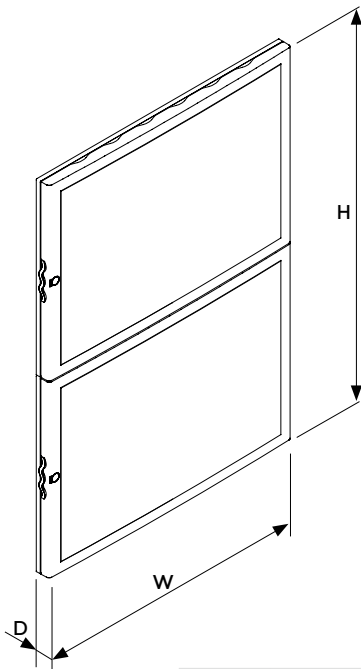
Classification - EN 62208 Standard				
Section 4	Classification	Panelboards		
a	Type of material	Insulating		
b	Type of installation	Recessed Assembly		
		To be installed in hollow walls.		
c	Installation location	Interior		
d	Degrees of Protection	IP20 in accordance with IEC 60529		
		IK07 in accordance with IEC 62262		
e	Insulating voltage	Ui=400 V; Rated current: In ≤ 63 A con 230-400 V		
Section 6.3	Documentation	Panelboards		
	Admissible loads	Maximum load admissible within the enclosure is 200 kg/m³		
		Do not apply weight to cover.		
	Lifting devices, where necessary	Not applicable		
	Devices for protection from electric shocks	Not applicable, plastic enclosure		
	Applicable conditions of use	Interior installation: Temperatures between -5 °C and +40 °C		
	Data on capacity to dissipate thermal energy	(60048 2LB, 60048 2PB, 60060 3NB, 60060 3SB, 60060 3MB, 60060 3PB)		
		Maximum interior thermal charge	60048	49 W
			60060	54 W
		(62048 2LB, 62048 2PB, 62060 3NB, 62060 3SB, 62060 3MB, 62060 3PB)		
		Maximum interior thermal charge	62048	49 W
62060			54 W	

Telecommunication Panelboard (Flush Mounting Low Depth) - beta

Dimensions (mm)

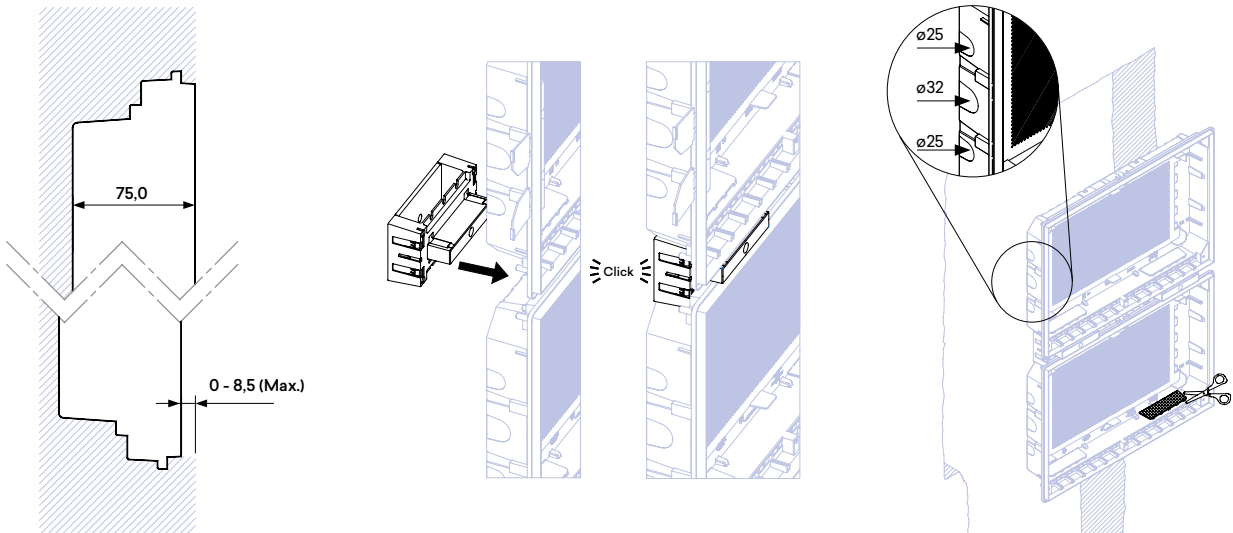


W1 (mm)	530
H1 (mm)	313
P1 (mm)	66
W2 (mm)	552
P2 (mm)	75



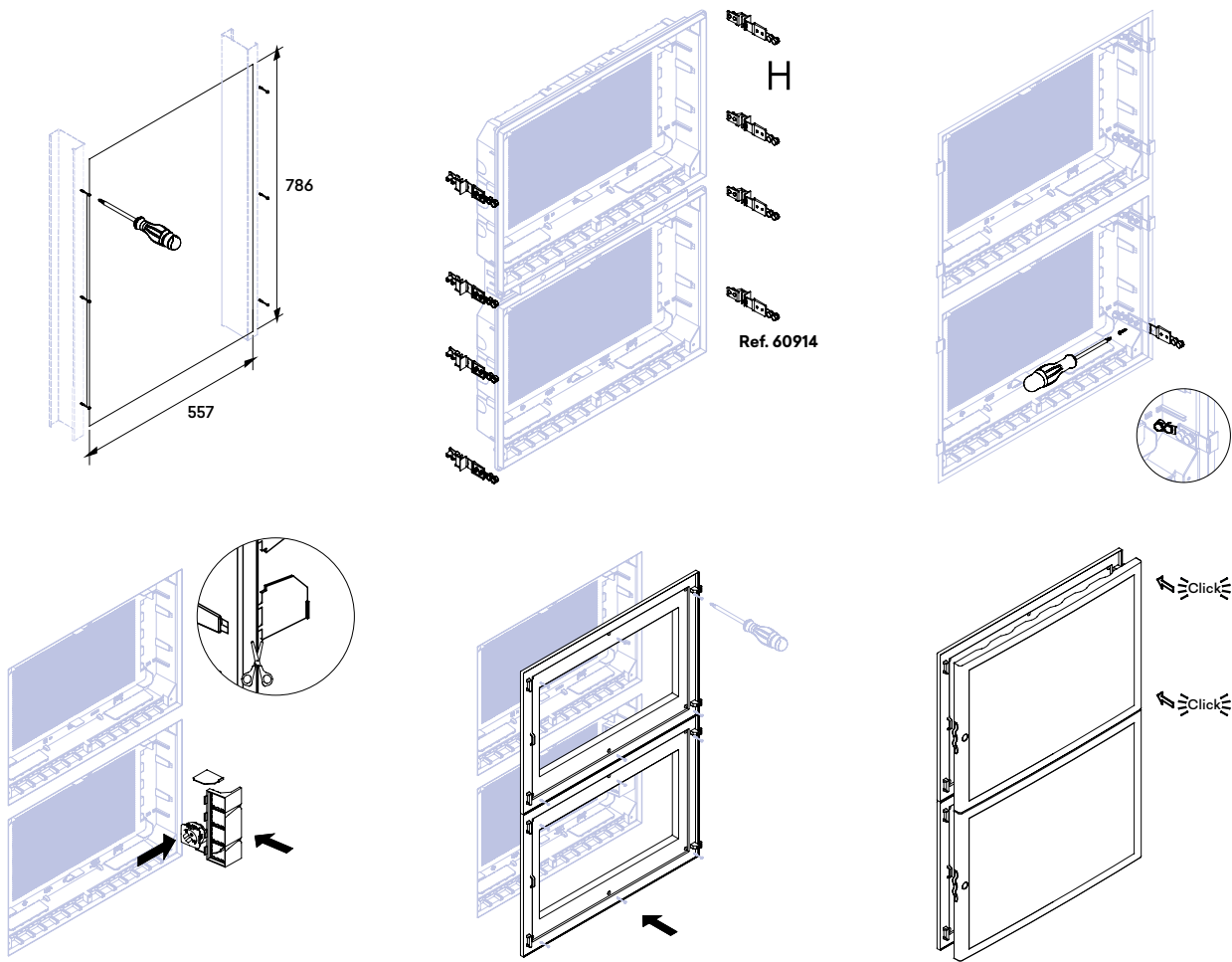
W (mm)	H (mm)	D (mm)
572	801	35

Recessed Assembly



Telecommunication Panelboard (Flush Mounting Low Depth) - beta

On Hollow Walls



Classification - EN 60670 Standard

Section 7	Classification	Telecommunication Panelboard
7.1	Nature of the material	Insulating
7.2	Installation type	Recessed Assembly
		Intended to be installed on hollow walls H
7.5	Installation temperatures	-5 °C up to +60 °C
7.7	Degrees of Protection	IP20 in accordance with IEC 60529
7.8	Means for fixing the devices to the boxes	Boxes granted to receive screws

Miniature Circuit Breakers (MCB)

Description



In accordance with european and international standards:

EN 60898-1 | IEC 60898-1: "Circuit Breakers for Overcurrent Protection for household and similar installations".



Installation in DIN rail track, in Panelboards.

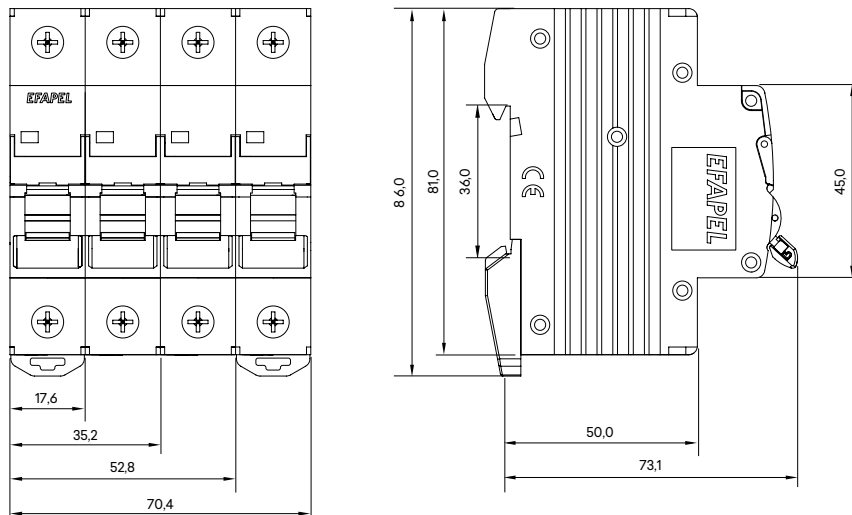
Characteristics

Number of poles: **1; 1P+N; 2; 3; 4**
 Voltage: **230/400 V**
 Rated current: **1; 2; 3; 4; 6; 10; 16; 20; 25; 32; 40; 50; 63**
 Tripping curves: **B; C; D**
 Breaking capacity (I_{cn}): **4,5 kA; 6 kA; 10 kA**
 Frequency: **50/60 Hz**
 Energy limitation class: **3**
 Maximum voltage pulse: **6,2 kV**
 Mechanical useful life: **>20000 cycles**
 Electrical useful life: **>8000 cycles**
 Connection by **"U" Type Busbar**
 Connection by **Pin Type Busbar**
 Terminal capacity: **25 mm²**
 Terminal height: **19 mm**
 Maximum tightening torque: **2,0 Nm**
 Installation ambient temperature: **-5 °C to +40 °C** (average temperature must not exceed 35 °C)
 Humidity must not exceed **50 % to 40 °C** or **90 % at 25 °C**.
 The device must be installed vertically in a place free from impacts and heavy vibrations.

Operation

Operation as circuit breaker.
 Indication of contact position.
 Ability to quickly dissipate energy stored during tripping.
 High resistance to short-circuit current.

Dimensions (mm)



Miniature Circuit Breakers (MCB)

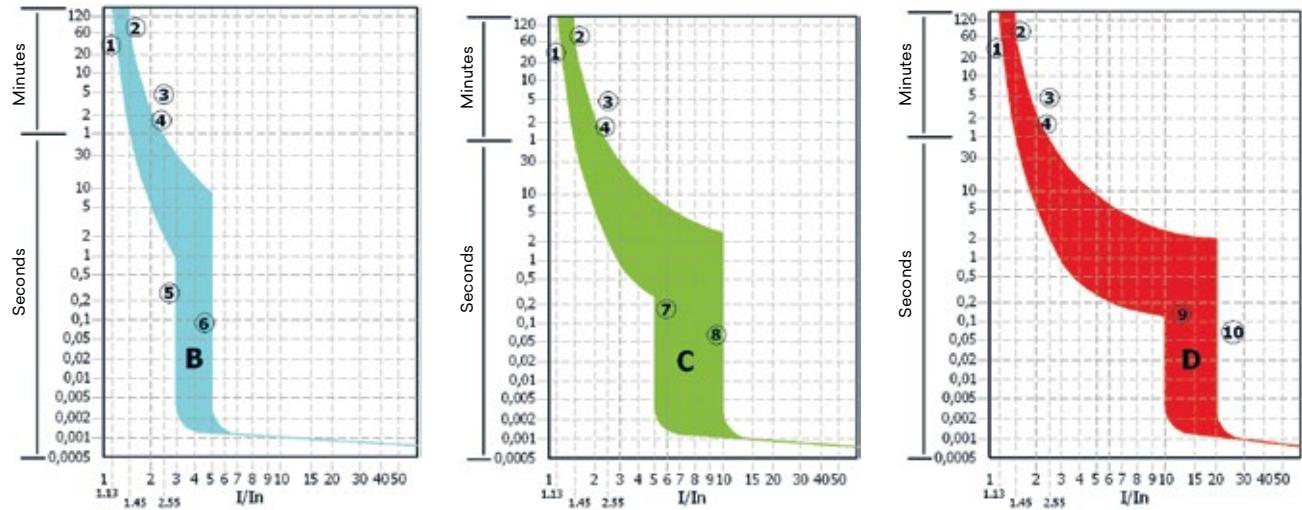
Operating Time when Operating in Overload

Current	Operating Time	Zone
1,13 In	$T \geq 1$ Hour	①
1,45 In	$T < 1$ Hour	②
2,55 In	$I_n \leq 32\text{ A} \Rightarrow t < 60$ seconds	③
	$I_n > 32\text{ A} \Rightarrow t < 120$ seconds	④

Operating Time when Operating in Short-circuit

Curve	Current	Operating Time	Zone	Application
B	3 In	$t \geq 0,1$ seconds	⑤	Protection of electrical circuits with resistive loads.
	5 In	$t < 0,1$ seconds	⑥	
C	5 In	$t \geq 0,1$ seconds	⑦	Circuits protection of general use.
	10 In	$t < 0,1$ seconds	⑧	
D	10 In	$t \geq 0,1$ seconds	⑨	Protection of electrical circuits with loads that produce current peak.
	20 In	$t < 0,1$ seconds	⑩	

Tripping Curves



Residual Current Circuit Breaker (RCCB)

Description



In accordance with european and international standards:
EN 61008-1 | IEC 61008-1: "Residual Current Circuit Breaker (RCCB)".



Installation in DIN rail track, in Panelboards.

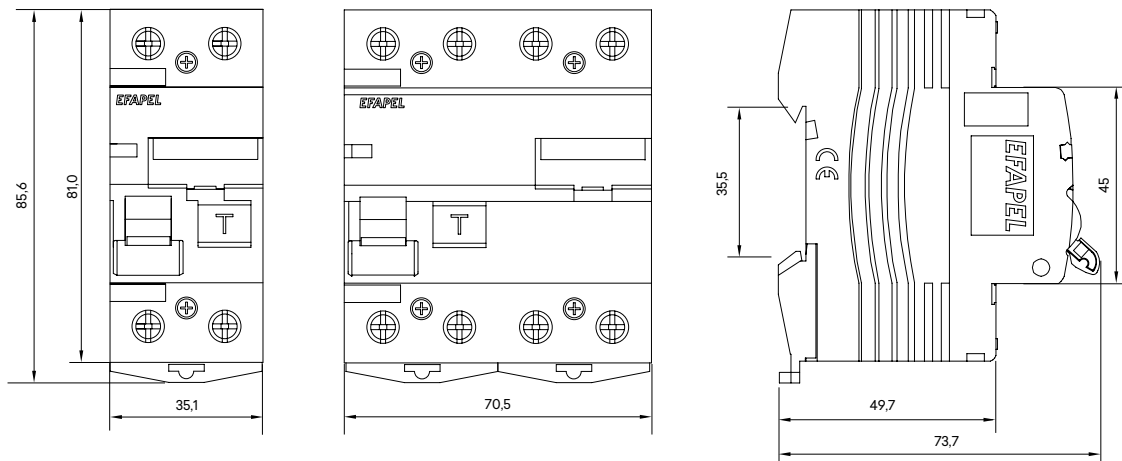
Characteristics

Number of poles: **1P+N; 3P+N**
Voltage: **240/415 V**
Rated current (A): **16; 25; 40; 63**
Class: **A; AC**
Sensitivity ($I_{\Delta n}$): **0,01 A; 0,03 A; 0,3 A; 0,5 A**
Breaking capacity (I_{cn}): **10 kA**
Frequency: **50/60 Hz**
Non-operating current: **0,5 $I_{\Delta n}$**
Operating current: **0,5 Δn a $I_{\Delta n}$**
Tripping time: **<0,1 seconds**
Electrical-mechanical useful life: **>4000 cycles**
Connection by **"U" Type Busbar**
Connection by **Pin Type Busbar**
Terminal capacity: **25 mm²**
Terminal height: **19 mm**
Maximum tightening torque: **2,0 Nm**
Installation ambient temperature: **-5 °C to +40 °C** (average temperature must not exceed 35 °C)
Humidity must not exceed **50 % to 40 °C** or **90 % at 25 °C**.
The device must be installed vertically in a place free from impacts and heavy vibrations.

Operation

Operation as differential (protection against fault current to earth).
Indication of contact position.
Ability to quickly dissipate energy stored during tripping.
High resistance to short-circuit current.

Dimensions (mm)



Residual Current Circuit Breaker with Overcurrent Protection (RCBO)

Description



In accordance with european and international standards:

EN 61009-1 | IEC 61009-1: "Residual Current Circuit Breaker with Overcurrent Protection (RCBO)".



Installation in DIN rail track, in Panelboards.

Characteristics

Number of poles: **1P+N**

Voltage: **240 V**

Rated current (A): **6; 10; 16; 20; 25; 32; 40**

Class: **AC**

Curve: **C**

Sensitivity ($I_{\Delta n}$): **0,03 A**

Frequency: **50/60 Hz**

Breaking capacity: **6 kA**

Tripping time: **<0,1 seconds**

Mechanical/electrical useful life: **>4000 cycles**

Connection by **"U" Type Busbar**

Connection by **Pin Type Busbar**

Terminal capacity:

16 mm² (rigid wire)

10 mm² (flexible wire)

Maximum tightening torque: **2,0 Nm**

Installation ambient temperature: **-5 °C to +40 °C** (average temperature must not exceed 35 °C)

Humidity must not exceed **50 % to 40 °C** or **90 % at 25 °C**.

The device must be installed vertically in a place free from impacts and heavy vibrations.

Operation

Operation as circuit breaker.

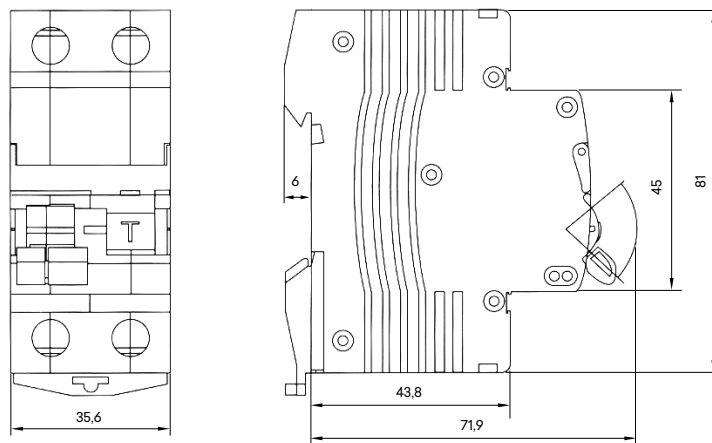
Operation as differential (protection against fault current to earth).

Indication of contact position.

Ability to quickly dissipate energy stored during tripping.

High resistance to short-circuit current.

Dimensions (mm)



Over-Voltage and Surge Protection Devices (SPD)

Description



Ref. 55410 1DC | 55420 1DC | 55440 1DC | 55460 1DC

In accordance with european and international standards:
IEC 61643-1: "Surge Protection Devices".
Installation in DIN rail track, in Panelboards.

Characteristics

Number of poles: 1
Type: II
Response time: <25 ns
Operation temperature: -40 °C to +80 °C
Terminal capacity: 1x25 mm²
Protection Index: IP20

Reference	55410 1DC	55420 1DC	55440 1DC	55460 1DC
Rated voltage	230 V ~	230 V ~	230 V ~	380 V ~
Maximum continuous operating voltage	320 V ~	320 V ~	320 V ~	420 V ~
Protection level (8/20 μseconds)	1,0 kVp	1,2 kVp	1,5 kVp	2,0 kVp
Rated discharge current (8/20 μseconds)	5 kA	10 kA	20 kA	30 kA
Maximum discharge current (8/20 μseconds)	10 kA	20 kA	40 kA	60 kA

Operation

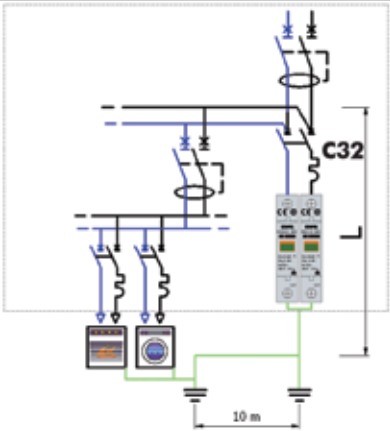
The correct operation and performance of the SPDs is assured when the ground installation is made in accordance with the official electrical codes, rules and prescriptions determined by the government or by the official entities.

The total length of the connection cables to the SPDs (L) must be as short as possible (<0,5m).

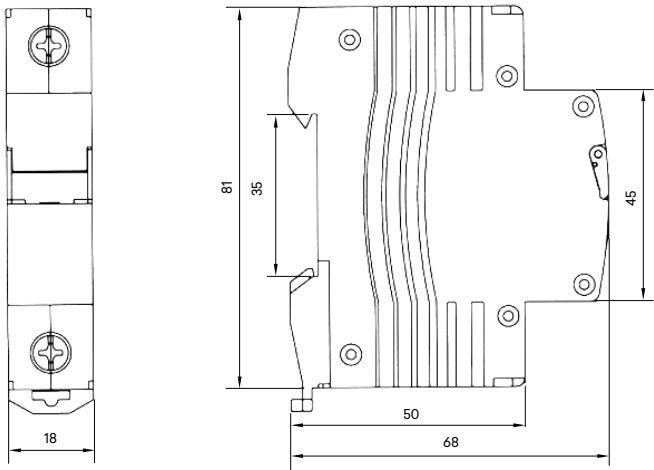
It must be avoided to make derivations in the circuit of the SPDs. With currents up to 50A, the derivations must be made over the same terminals of the SPDs.

The circuits where the SPDs are connected must be protected against overloads and short circuits. It is recommended the use of a MCBs of 32 - C Curve (C32).

If the installation has different protection levels against over voltages, it is recommended that the length of the cable that connects the main SPDs with a secondary SPDs is ≥ 1m, in order to avoid simultaneous conduction of both devices.



Dimensions (mm)



Isolation Switches

Description



In accordance with european and international standards:
EN 60947-3 | IEC 60947-3: "Switch Disconnecter".

Installation in DIN rail track, in Panelboards.

Characteristics

Number of poles: **1, 2, 3, 4**

Rated voltage (V): **230/400 V ~**

Rated current (A): **25; 32; 40; 63; 80; 100**

Frequency: **50/60 Hz**

Breaking capacity: **10 kA**

Mechanical/electrical useful life: **10000 cycles**

Terminal capacity:

25 mm², for caliber of 25 A, 32 A, 40 A, and 63 A

50 mm², for caliber of 80 A and 100 A

Installation ambient temperature: **-5 °C to +40 °C** (average temperature must not exceed 35 °C)

Humidity must not exceed 50 % to **40 °C** or **90 % at 25 °C**.

The device must be installed vertically in a place free from impacts and heavy vibrations.

The device is on when the lever is in the up position (red indicator).

Operation

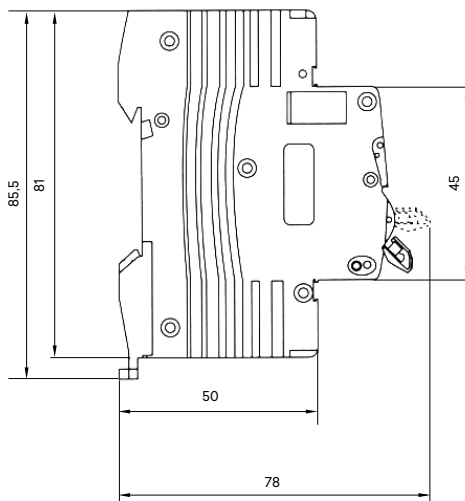
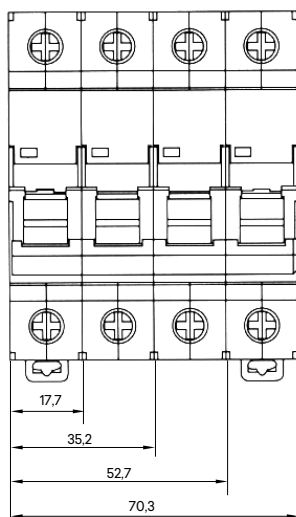
Operation as switch.

Indication of contact position.

Ability to quickly dissipate energy stored during cut-off.

High resistance to short-circuit current.

Dimensions (mm)



Fuse Disconnecter Single Pole 10x38

Description



Ref. 55545

In accordance with european and international standards:
EN 60947-3 | IEC 60947-3

Installation in DIN rail track, in Panelboards.

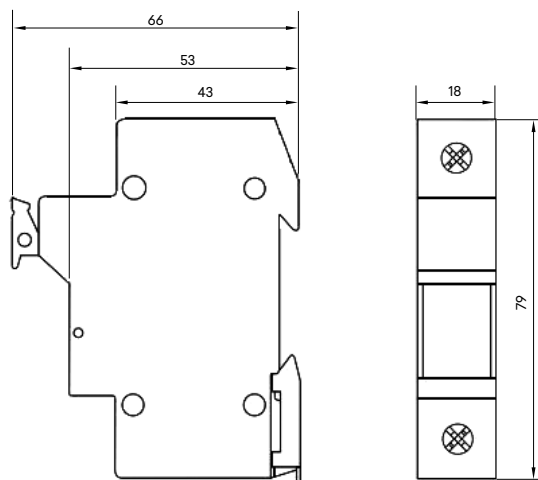
Characteristics

Number of poles: **1 P**
Rated voltage (V): **230 V ~**
Rated current max. (A): **32 A**
Fuse type: **10x38**
Frequency: **50/60 Hz**
Insulation voltage: **600 V**

Operation

Operation as fuse disconnecter switch

Dimensions (mm)



3-Phase Voltage Indicator

Description



Ref. 55009

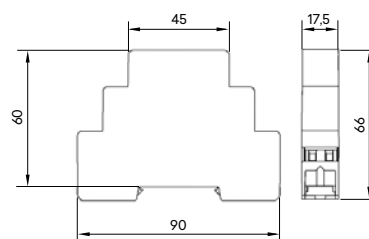
Indicates presence of three-phase voltage.

Installation in DIN rail track, in Panelboards.

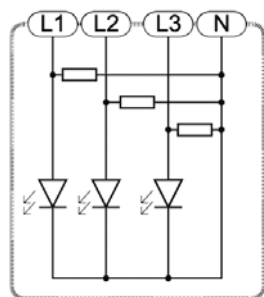
Characteristics

Rated voltage: **230/400 V ~**
 Consumption: **6 mA**
 Frequency: **50/60 Hz**
 Cables section: **0,2 - 2,5 mm²**
 Protection Index: **IP20**
 Insulation Class: **II**

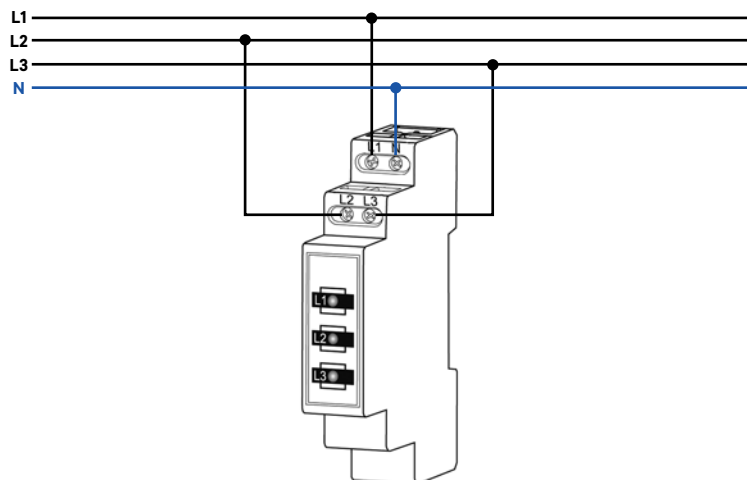
Dimensions (mm)



Electrical Diagram



Wiring Diagram



1-Phase Voltage Value Indicator

Description



Ref. 55010

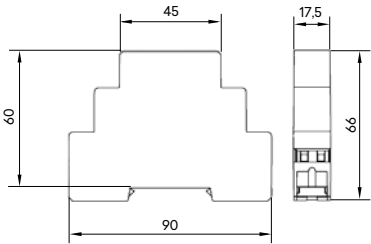
Indicates phase voltage value.

Installation in DIN rail track, in Panelboards.

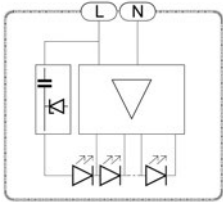
Characteristics

Rated voltage: 230 V ~
Consumption: 24 mA
Frequency: 50/60 Hz
Cables section: 0,2 - 2,5 mm²
Protection Index: IP20
Insulation Class: II

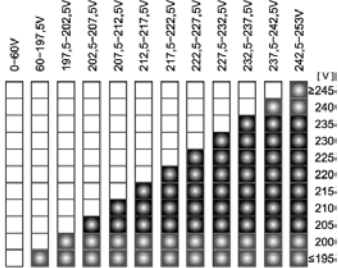
Dimensions (mm)



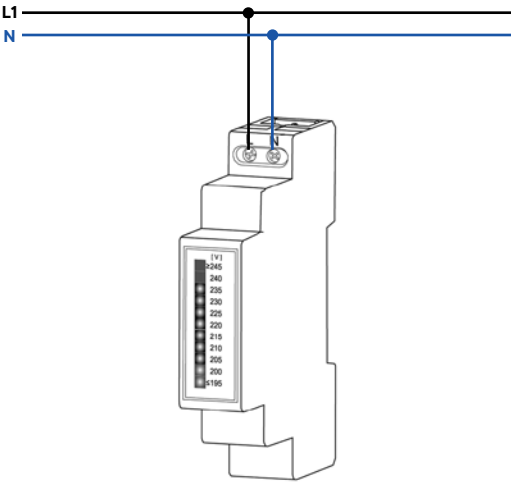
Electrical Diagram



Voltage Levels



Wiring Diagram



3-Phase Voltage Value Indicator

Description



Ref. 55011

Indicates three-phase voltage value.

Installation in DIN rail track, in Panelboards.

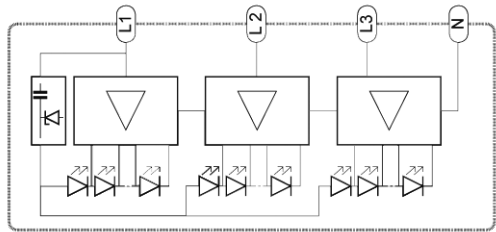
Characteristics

Rated voltage: 230/400 V ~
Consumption: 68 mA
Frequency: 50/60 Hz
Cables section: 0,2 - 2,5 mm²
Protection Index: IP20
Insulation Class: II

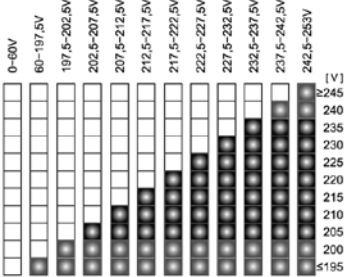
Dimensions (mm)



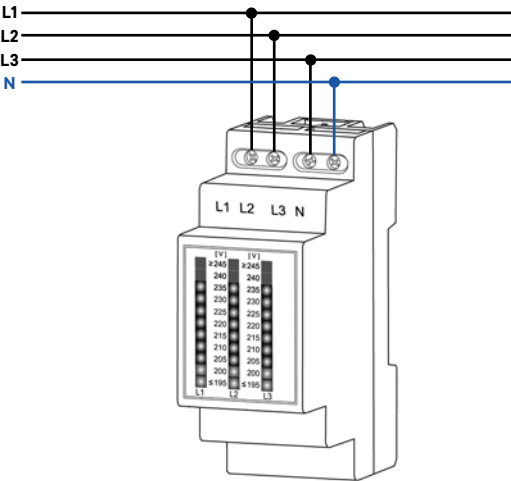
Electrical Diagram



Voltage Levels



Wiring Diagram



Electronic Staircase Time-Delay Switch 16 A

Description



Ref. 55030

Enables the connection / disconnection of a lighting circuit, according to a programmed time-delay.

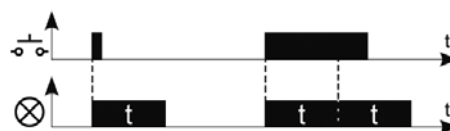
The activation is made by the use of Push-buttons, Rocker Push-buttons or Rocker Push-buttons with Orienting Light according to the 3 wires diagram.

Installation in DIN rail track, in Panelboards.

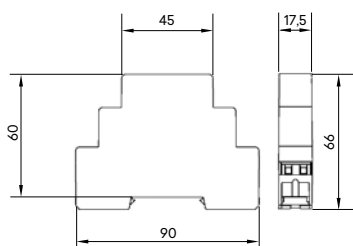
Characteristics

Rated voltage: **230 V ~**
 Consumption: **48 mA**
 Frequency: **50/60 Hz**
 Operating time regulation: **10 seconds - 10 minutes**
 Output: **1 NO - 16 A/250 V ~ 4000 VA**
 Cables section: **0,2 - 2,5 mm²**
 Protection Index: **IP20**
 Insulation Class: **II**

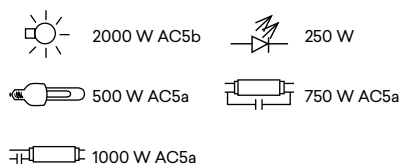
Operation



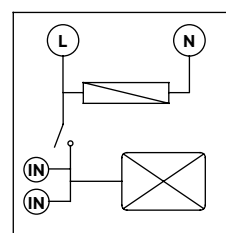
Dimensions (mm)



Maximum Recommended Load



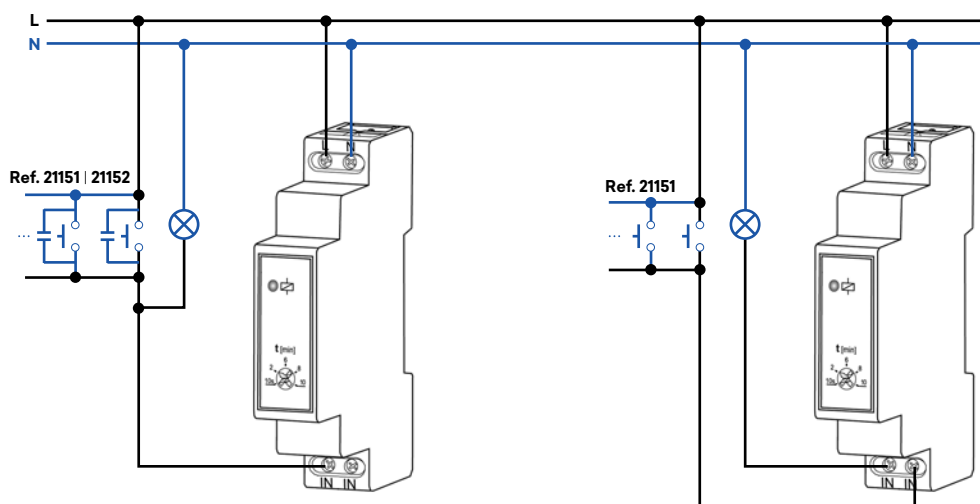
Electrical Diagram



Wiring Diagrams

With 3 wires

With 4 wires



Electronic Staircase Time-Delay Switch 16 A with Blockage

Description



Ref. 55031

Enables the connection / disconnection of a lighting circuit, according to a programmed time-delay.

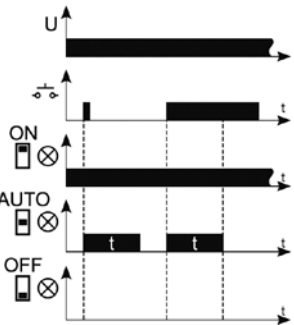
The activation is made by the use of Push-buttons, Rocker Push-buttons or Rocker Push-buttons **without Orienting Light**.

Installation in DIN rail track, in Panelboards.

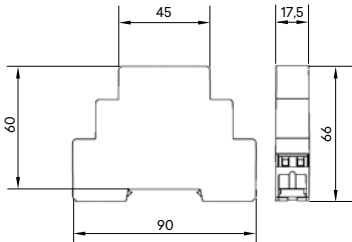
Characteristics

Rated voltage: **230 V ~**
 Consumption: **25 mA**
 Frequency: **50/60 Hz**
 Operating time regulation: **3 - 30 min.**
 Control current: **300 µA**
 Output: **1 NO - 16 A /250 V ~ 4000 VA**
 Cables section: **0,2 - 2,5 mm²**
 Protection Index: **IP20**
 Insulation Class: **II**
 Maximum leakage current: **200 µA**

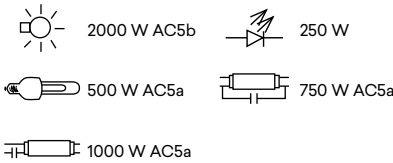
Operation



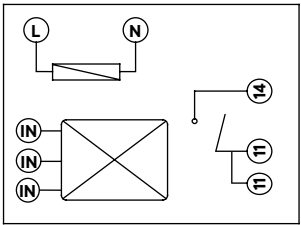
Dimensions (mm)



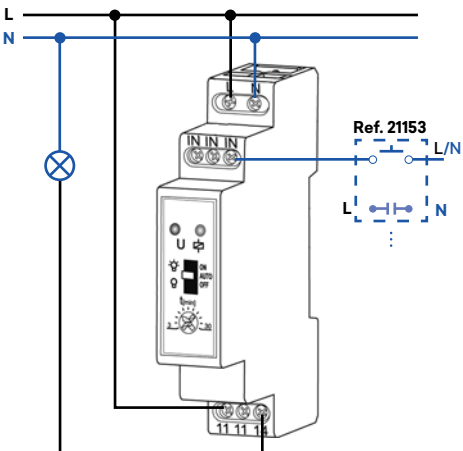
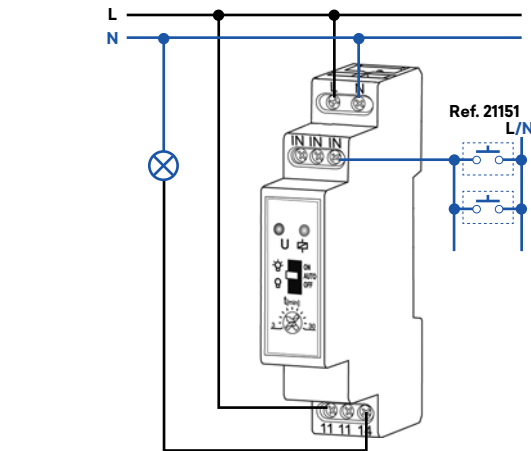
Maximum Recommended Load



Electrical Diagram



Wiring Diagrams



Staircase Time-Delay Switch 10 A

Description



Ref. 55510 SPA

Enables the connection / disconnection of a lighting circuit, according to a programmed time-delay.

The activation is made by the use of Push-buttons, Rocker Push-buttons or Rocker Push-buttons with Orienting Light.

Installation in DIN rail track, in Panelboards.

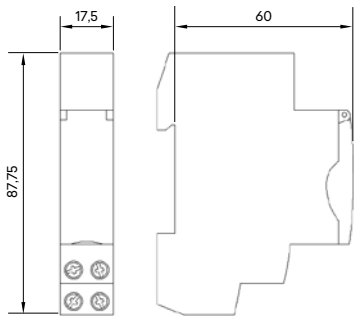
Characteristics

230 V ~ | 50/60 Hz
 Breaking capacity: 10 A
 Temporisation: 45 seconds to 7 minutes
 Dimension: 1 Module DIN
 Operation temperature: -10 °C to 60 °C
 Protection Index: IP20
 Maximum leakage current: 50 mA

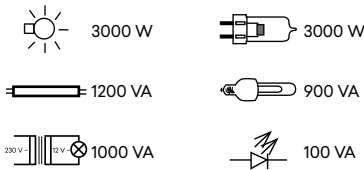
Operation

By pressing the button, the load stays on as long as the time programmed time.

Dimensions (mm)

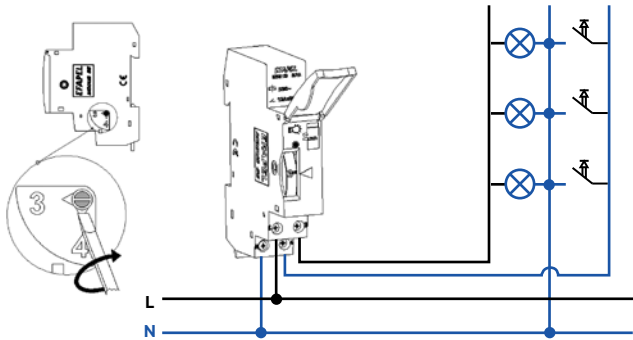


Maximum Recommended Load

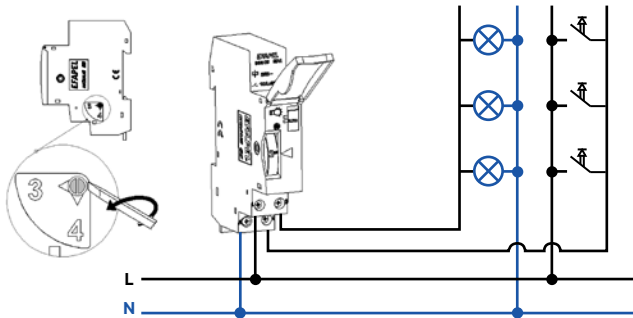


Wiring Diagrams

With 3 wires



With 4 wires



Contactors

Description



Ref. 55020 2NA | 55020 2NF | 22020 2AF | 55020 2MA | 55020 2MF | 55025 4NA | 55025 4NF | 55063 4NA | 55063 4NF

In accordance with european and international standards:
IEC/EN 61095 | IEC/EN 60947-4-1

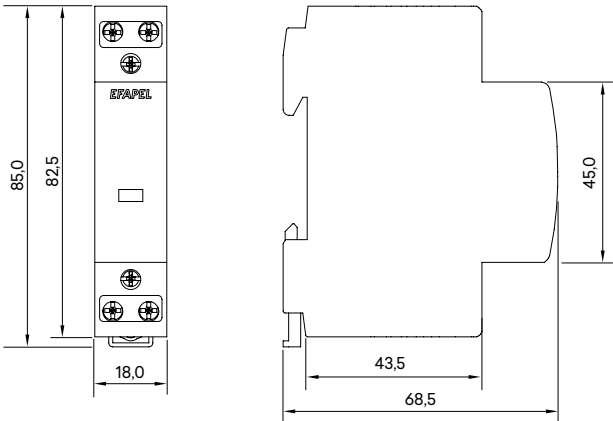
Enables to control a specific load that needs a High Rated Current throught a command that has a low breaking capacity, creating a separation of the high power circuit from the command circuit.

Installation in DIN rail track, in Panelboards.

Characteristics

Reference	55020 2NA 55020 2NF 55020 2AF 55020 2MA 55050 2MF		55025 4NA 55025 4NF	55063 4NA 55063 4NF
General Characteristics				
Number of modules	1 Module		2 Modules	3 Modules
Insulation Class	IP20			
Ambient temperature	-5 °C to +40 °C			
Detailed Characteristics				
Number of poles	2P		4P	4P
Type of contacts	NA - Normally Open / NF - Normally Closed AF - Normally Open + Normally Closed / MA - Manual Normally Open MF - Manual Normally Closed			
Rated voltage	230 V ~		230/400 V ~	
Frequency	50/60 Hz			
Insulation voltage	400 V ~			
Breaking capacity	20 A		25 A	63 A
Mechanical/electrical useful life	150.000			
Category	AC-1 / AC7a - 4 kW		AC-1 / AC-7a - 16 kW AC-3 / AC-7b - 4 kW	AC-1 / AC-7a - 40 kW AC-3 / AC-7b - 15 kW
Terminal capacity	10 mm²		25 mm²	
Coil Characteristics				
Rated voltage	230 V ~			
Frequency	50/60 Hz			
Terminal capacity	2.5 mm²			

Dimensions (mm)



Electronic Latching Relay 16 A

Description



Ref. 55017

Enables to connect and disconnect a lighting circuit using Rocker Push-buttons.

Installation in DIN rail track, in Panelboards.

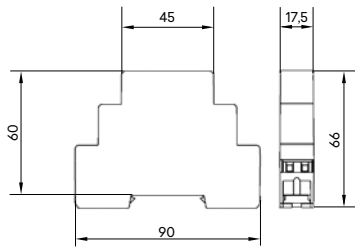
Characteristics

Rated voltage: 230 V ~
Consumption: 24 mA
Frequency: 50/60 Hz
Control current: 930 μ A
Output: 1 NO - 16 A/250 V ~ 4000 VA
Cables section: 0,2 - 2,5 mm²
Protection Index: IP20
Insulation Class: II

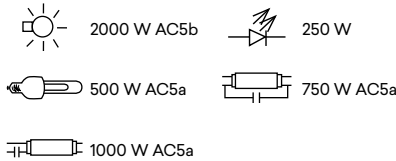
Operation



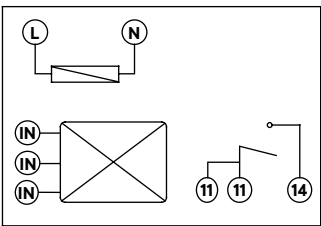
Dimensions (mm)



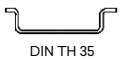
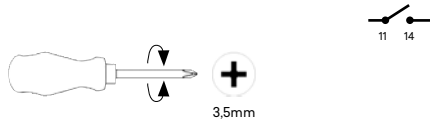
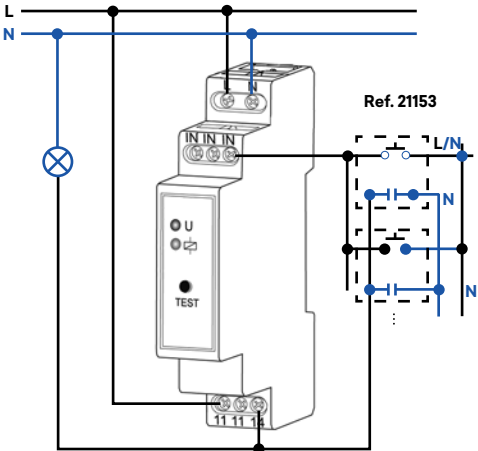
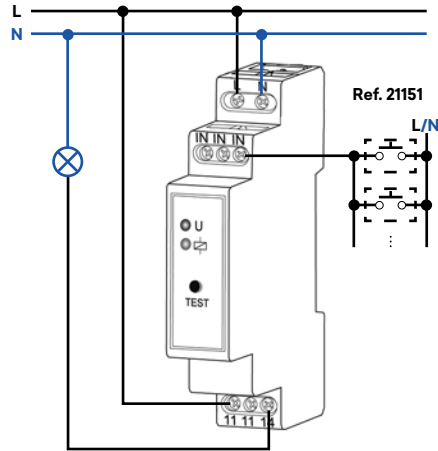
Maximum Recommended Load



Electrical Diagram



Wiring Diagrams



1 Channel Analogue Daily Time Switch

Description



Ref. 55501 ANL

Enables to control the operation of an electric installation or an equipment according to a daily program.

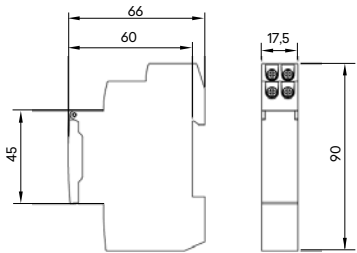
The minimum time of a program is 15 minutes.

Installation in DIN rail track, in Panelboards.

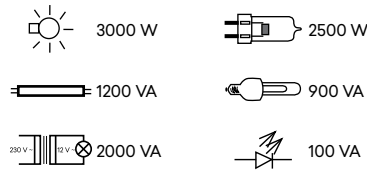
Characteristics

Rated voltage: 230 V ~
Frequency: 50/60 Hz
Breaking capacity: 16(4) A
Battery back-up time: NiMH - V80 H
Precision: 1 second / day
Programming time: 24 hours / 15 minutes
Consumption: 0,5 W
Operation temperature: -10 °C to +45 °C
Protection Index: IP20
Insulation Class: II
Battery Backup: 150 hours after feeding for 120 hours

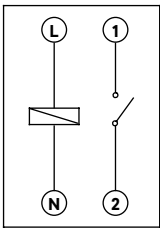
Dimensions (mm)



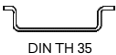
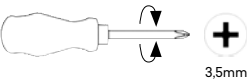
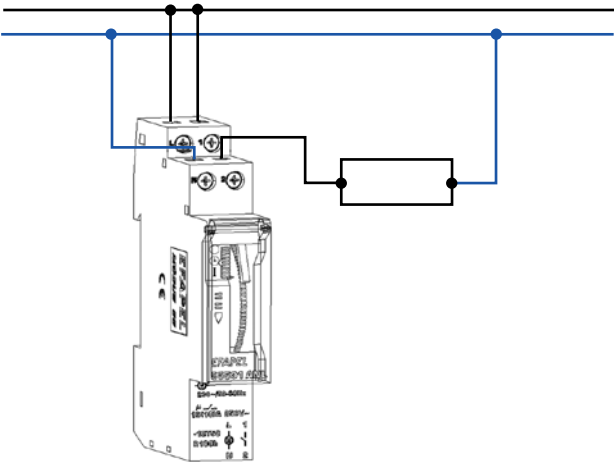
Maximum Recommended Load



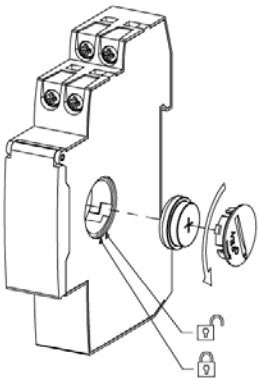
Electrical Diagram



Wiring Diagram



Battery Replacement



ATTENTION: This unit incorporates a battery containing itens that can be harmful to the environment. Please do not throw it away without removing the battery and putting in the proper container for recycled batteries.

1 Channel Digital Daily/Weekly Time Switch

Description



Ref. 55501 DIG

Enables to control the operation of an electric installation or equipment according to a daily or weekly program.

It has capacity to program of 32 operations.

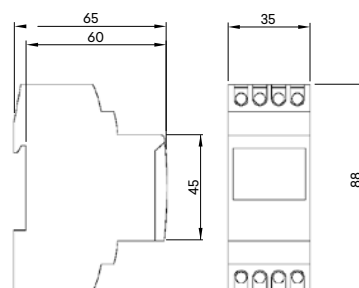
Automatic changeover of summer / winter time and possibility of downtime programming.

Installation in DIN rail track, in Panelboards.

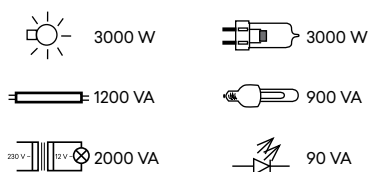
Characteristics

Rated voltage: **230 V ~**
 Frequency: **50/60 Hz**
 Breaking capacity: **16(10) A**
 Consumption: **1 W (aprox.)**
 Memory spaces: **32**
 Outputs: **ON, OFF and PULSE (1 to 59 seconds)**
 Precision: **1 second/day**
 Operation temperature: **-10 °C - +50 °C**
 Protection Index: **IP20**
 Insulation Class: **II**
 Battery Backup: **4 Years**

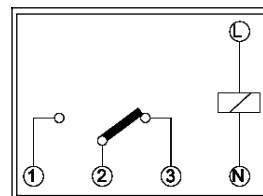
Dimensions (mm)



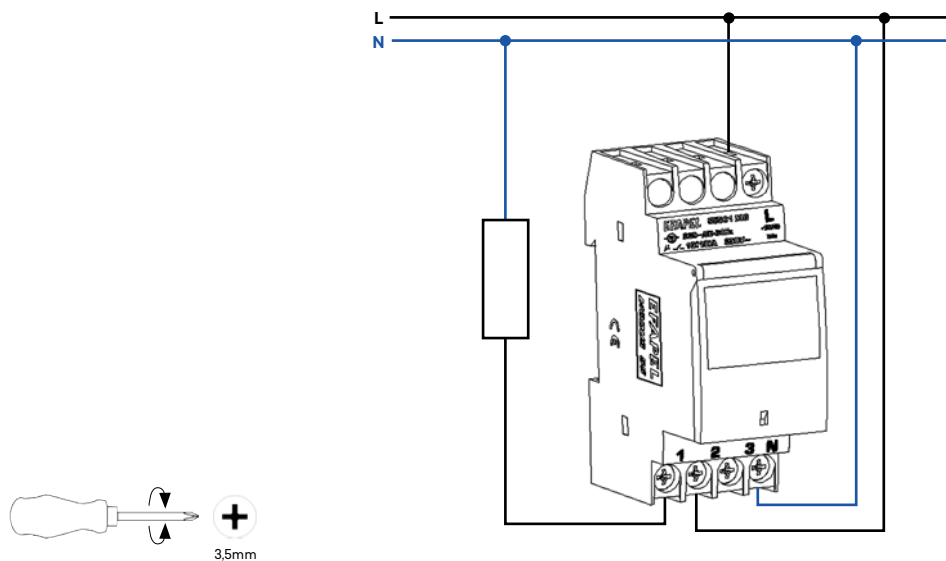
Maximum Recommended Load



Electrical Diagram



Wiring Diagram



Digital Time Switches

Description



Ref. 55537 | 55039

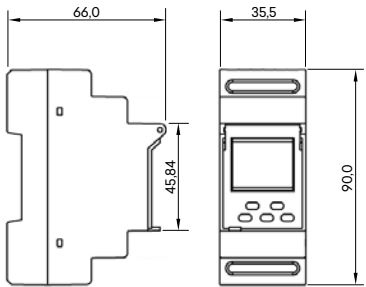
Enables to control an installation or equipment according to a daily and/or weekly programming.

Installation in DIN rail track, in Panelboards.

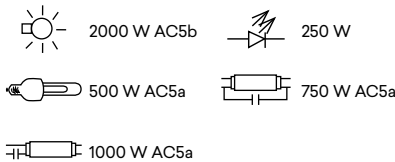
Characteristics

Rated voltage: **230 V ~**
 Frequency: **50/60 Hz**
 1 Circuit: **1 NO + 1 NC**
 2 Circuits: **2 NO + 2 NC**
 Memory spaces: **400**
 Programming mode: **daily/weekly**
 Operation mode: **manual, automatic, random, pulse**
 Time change summer/winter: **automatic, manual**
 Operation temperature: **-20 °C to +60 °C**
 Cables section: **0,2 - 2,5 mm²**
 Protection Index: **IP20**
 Insulation Class: **II**
 Clock maintenance time: **3 Years**
 Programming maintenance time: **10 Years**

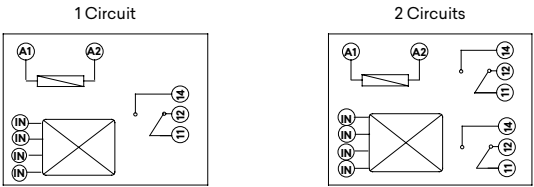
Dimensions (mm)



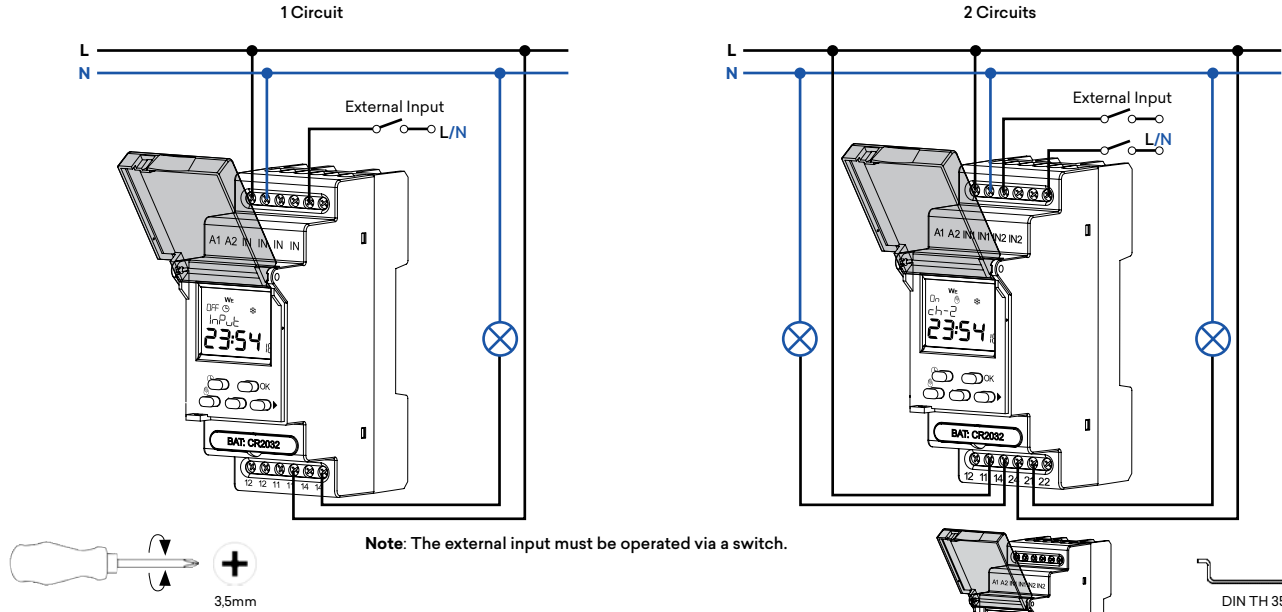
Maximum Recommended Load



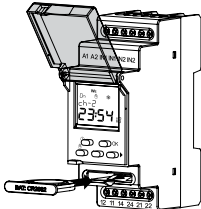
Electrical Diagram



Wiring Diagrams



ATTENTION: This unit incorporates a battery containing itens that can be harmful to the environment. Please do not throw it away without removing the battery and putting in the proper container for recycled batteries.



Dimmer

Description



Ref. 55020

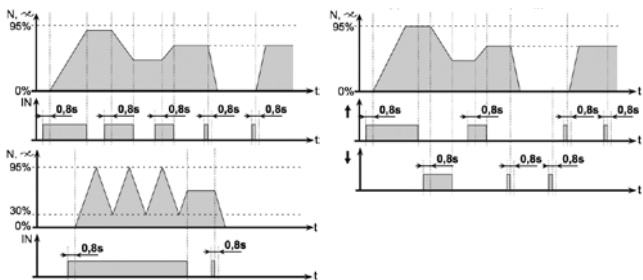
Enables to adjust the luminous flux of one or more lamps with Rocker Push-buttons.

Installation in DIN rail track, in Panelboards.

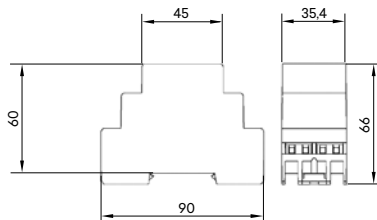
Characteristics

Rated voltage: **230 V ~**
Consumption: **10 mA**
Frequency: **50 Hz**
Output power (load): **30 - 500 W**
Cables section: **0,2 - 2,5 mm²**
Protection Index: **IP20**
Insulation Class: **II**

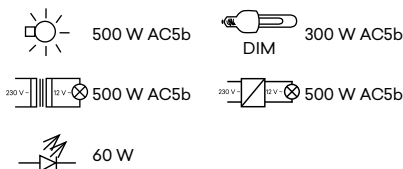
Operation



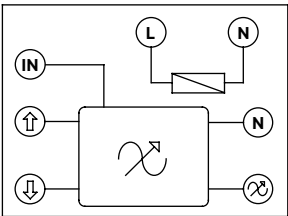
Dimensions (mm)



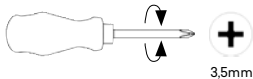
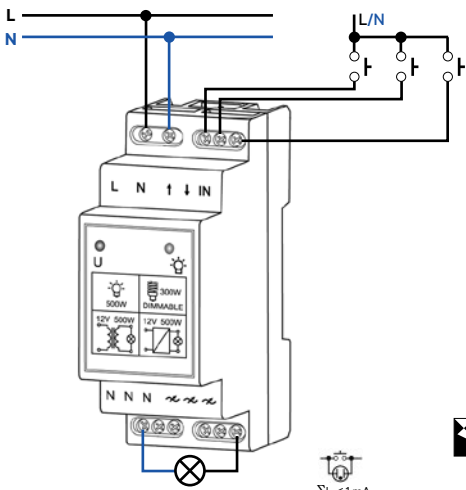
Maximum Recommended Load



Electrical Diagram



Wiring Diagram



Phase-cut dimming in the descending phase cut "Trailing Edge"



Voltage Control Relay Single Phase

Description



Ref. 55024

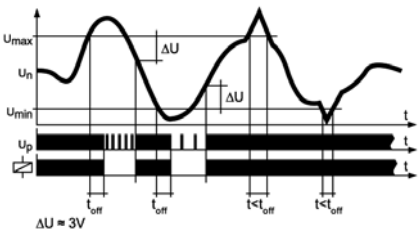
Enables to control the voltage over a circuit.

Installation in DIN rail track, in Panelboards.

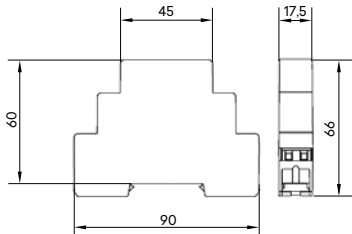
Characteristics

Rated voltage: **230 V ~**
 Consumption: **35 mA**
 Frequency: **50/60 Hz**
 Minimum voltage: **170 - 225 V ~**
 Maximum voltage: **235 - 290 V ~**
 Adjust time (Foff): **0-12 seconds**
 Output: **1 NO/NC - 10 A/250 V~ 2500 VA**
 Cables section: **0,2 - 2,5 mm²**
 Protection Index: **IP20**
 Insulation Class: **II**

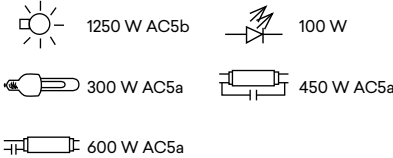
Operation



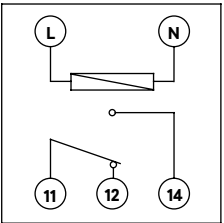
Dimensions (mm)



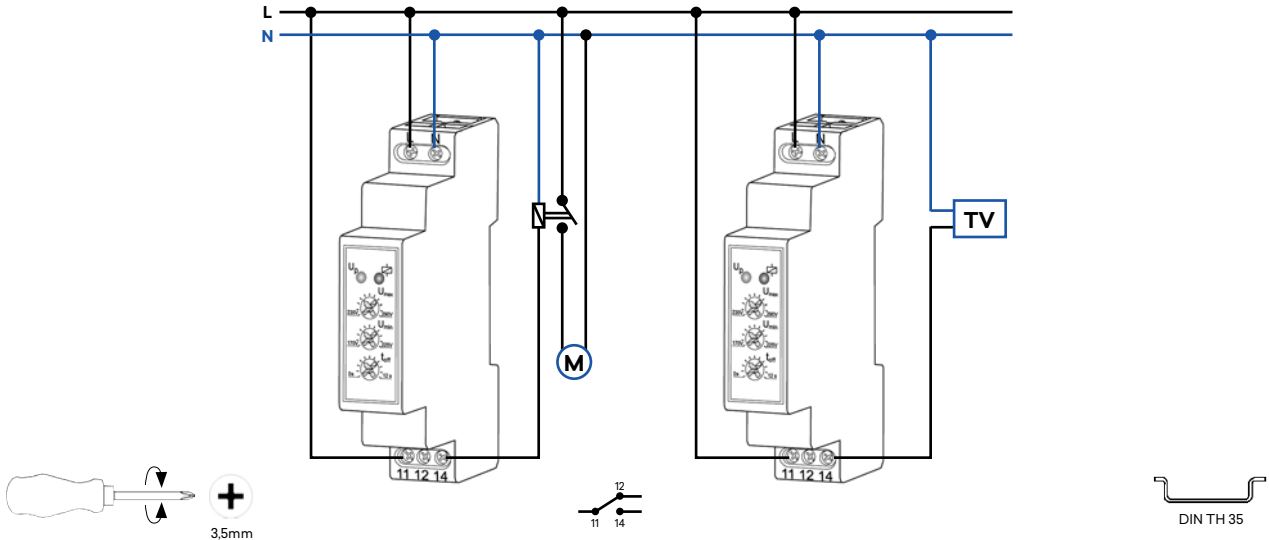
Maximum Recommended Load



Electrical Diagram



Wiring Diagram



Current Control Relay Single Phase 16 A

Description



Ref. 55025

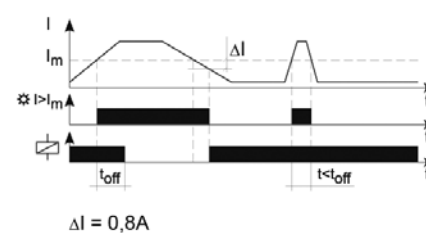
Enables to control the current in a circuit.

Installation in DIN rail track, in Panelboards.

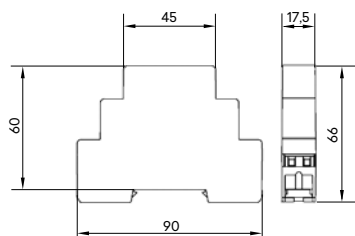
Characteristics

Rated voltage: **230 V ~**
 Current: **1,6 - 16 A**
 Consumption: **34 mA**
 Frequency: **50/60 Hz**
 Adjust time (Foff): **0-12 seconds**
 Output: **1 NO/NC - 16 A/250 V ~ 4000 VA**
 Cables section: **0,2 - 2,5 mm²**
 Protection Index: **IP20**
 Insulation Class: **II**

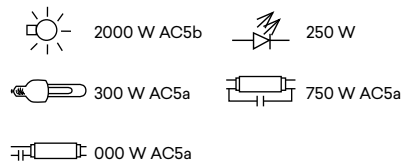
Operation



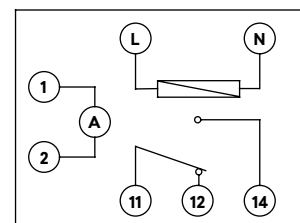
Dimensions (mm)



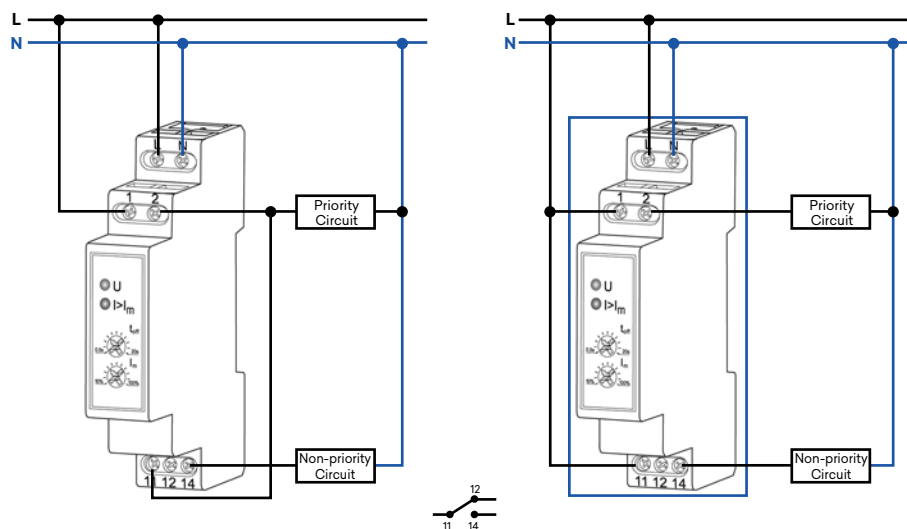
Maximum Recommended Load



Electrical Diagram



Wiring Diagram



Protection Index Against the Penetration of Solid Objects and Against Liquids (IP)

Protection degree of the enclosures of the electrical equipments in accordance with the **EN 60529** and **IEC 60529** Standards.

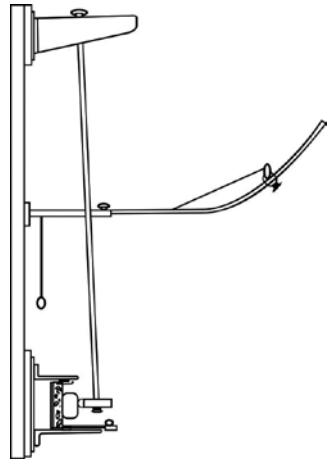
1 st Digit (Protection against solid bodies)			2 nd Digit (Protection against water)		Additional Letter (Protection against access to hazardous parts)
IP		Test	IP	Test	IP
0	No protection.		0	No protection.	A Protected against access with the back of the hands.
1	Protected against solid objects whose diameter is greater than or equal to 50mm.		1	Protected against drops of water falling vertically.	B Protected against access with the finger
2	Protected against solid objects whose diameter is greater than or equal to 12,5mm.		2	Protected against drops of water falling vertically with the covering inclined, at most, at 15°.	C Protected against access with tool
3	Protected against solid objects whose diameter is greater than or equal to 2,5mm.		3	Protected against rain up to 60° from the vertical.	D Protected against access with a wire
4	Protected against solid objects whose diameter is greater than or equal to 1mm.		4	Protected against water projections from all directions.	
5	Protected against dust.		5	Protected against jets of water from all directions.	
6	Dustproof.		6	Protected against strong jets of water similar to a sea wave.	
X	Indifferent		7	Protected against the effects of temporary immersion between 15cm to 1m.	
			8	Protected against the effects of constant immersion in water under pressure.	
			X	Indifferent	

Example: **IP3XC** - Protected against solid objects whose diameter is greater than or equal to 2,5 mm. | Indifferent | Protected against access with tool.

Protection Index Against the Mechanical Impacts (IK)

Protection degree of the enclosures of the electrical equipments in accordance with the **EN 50102** Standard.

IK	Energy of Impact (Joule)	Used Mass (Kg)
00	0	0
01	0,15	0,2
02	0,20	0,2
03	0,35	0,2
04	0,50	0,2
05	0,70	0,2
06	1	0,5
07	2	0,5
08	5	1,7
09	10	5
10	20	5





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