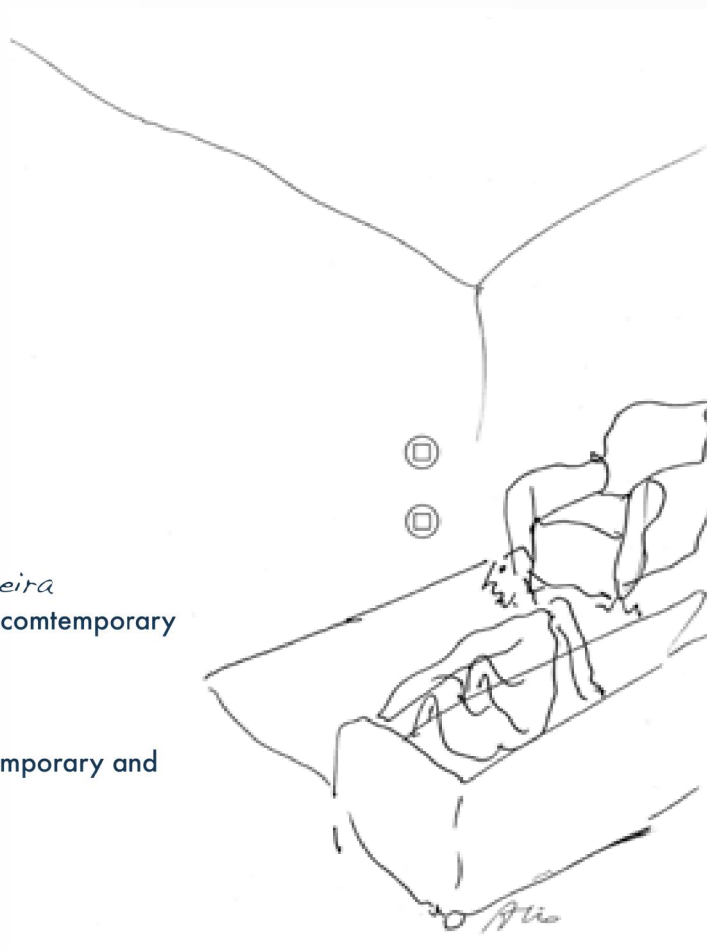# QUADRO 45
Siza Vieira
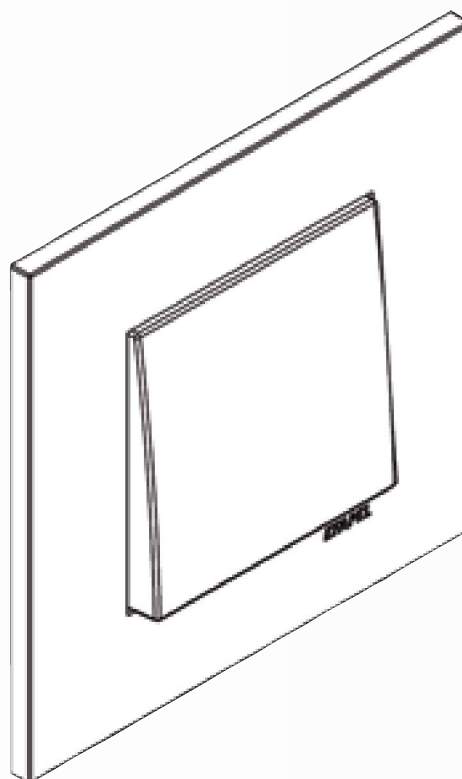
The QUADRO 45 - design *Siza Vieira*
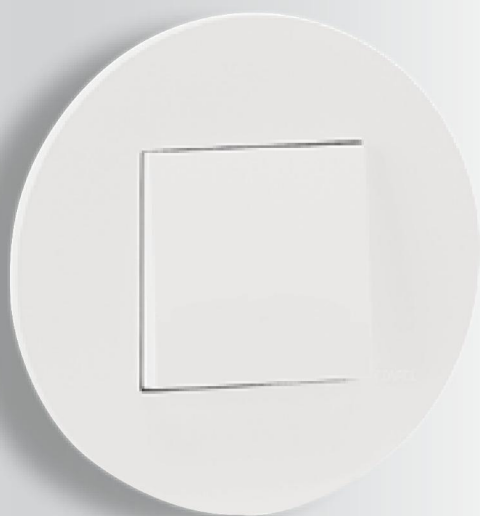has the signature of the prestigious comtemporary
architect Álvaro Siza Vieira.

An exclusive master piece for contemporary and
avant-garde spaces.

QUADRO 45

With a minimalist design, the
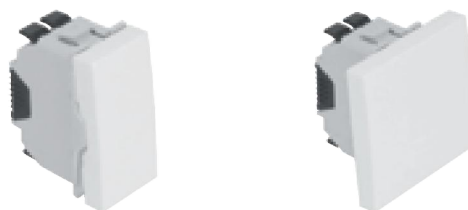QUADRO 45 Series reflects the
current trendy and functional lines.

Content
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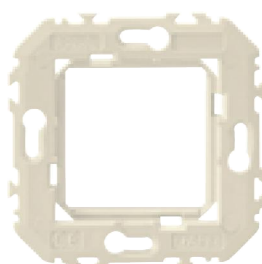# QUADRO 45

Siza Vieira

QUADRO 45

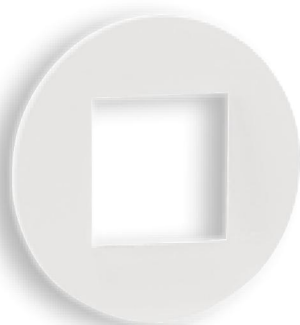Content

QUADRO 45

SEMI-ASSEMBLED
DEVICES

+

ADAPTER
(REF. 45993)
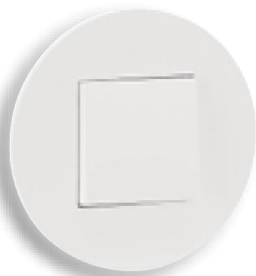

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QUADRO 45
Siza Vieira
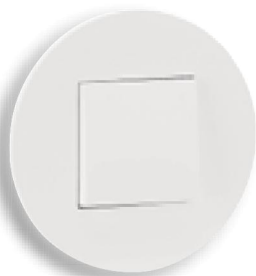
QUADRO 45

FRAME

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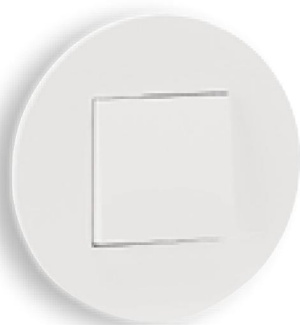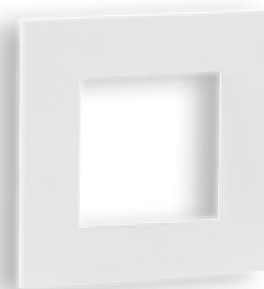
COMPLETE PRODUCT
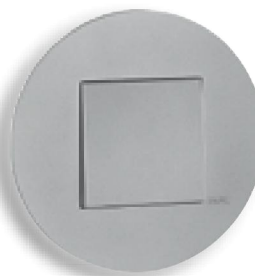
QUADRO 45

QUADRO 45 - *Siza Vieira*

BR
White

BM
White Matt

PM
Black Matt

AL
Aluminium

QUADRO 45

BR
White

BM
White Matt

PM
Black Matt

AL
Aluminium

Content

QUADRO 45

CONTROL DEVICES (SEMI-ASSEMBLED DEVICES)

		Ref.	Color
Single Pole Switch - 2 Modules 10AX - 250V~		45011 S	BR BM PM AL
Single Pole Switch - 1 Module 10AX - 250V~		45010 S	
Single Pole Switch with Orienting Light - 2 Modules 10AX - 250V~ ■ To control electronic energy-saving lamps, we recommend the use of capacitors of 0,15µF 275V~ connected in parallel with the load to avoid the lamp blinking.		45012 S	BR BM PM AL
Single Pole Switch with Orienting Light - 1 Module 10AX - 250V~ ■ To control electronic energy-saving lamps, we recommend the use of capacitors of 0,15µF 275V~ connected in parallel with the load to avoid the lamp blinking.		45015 S	
Single Pole Switch with Pilot Lamp - 2 Modules 10AX - 250V~		45013 S	BR BM PM AL
Single Pole Switch with Pilot Lamp - 1 Module 10AX - 250V~		45016 S	
Two-pole Switch - 2 Modules 10AX - 250V~		45021 S	BR BM PM AL
Two-pole Switch - 1 Module 10AX - 250V~		45020 S	
Two-pole Switch with Pilot Lamp - 2 Modules 10AX - 250V~		45023 S	BR BM PM AL
Two-pole Switch with Pilot Lamp - 1 Module 10AX - 250V~		45026 S	
One Circuit Digital Time Switch - 2 Modules eco ■ Rated voltage: 230V~ - 50-60Hz. ■ Breaking capacity: 16A. ■ Output type: ON, OFF and PULSE. ℹ See Technical Data Sheet - page 156.		45041 S	BR BM PM AL
Two Circuits Digital Time Switch - 2 Modules eco ■ Rated voltage: 230V~ - 50-60Hz. ■ Breaking capacity: 6A + 6A. ■ Output type: ON, OFF and PULSE. ℹ See Technical Data Sheet - page 156.		45042 S	
Two Circuits Switch - 2 Modules 10AX - 250V~		45061 S	BR BM PM AL
Two-way Switch - 2 Modules 10AX - 250V~		45071 S	BR BM PM AL
Two-way Switch - 1 Module 10AX - 250V~		45070 S	
Two-way Switch with Orienting Light - 2 Modules 10AX - 250V~ ■ To control electronic energy-saving lamps, we recommend the use of capacitors of 0,15µF 275V~ connected in parallel with the load to avoid the lamp blinking.		45072 S	BR BM PM AL
Two-way Switch with Orienting Light - 1 Module 10AX - 250V~ ■ To control electronic energy-saving lamps, we recommend the use of capacitors of 0,15µF 275V~ connected in parallel with the load to avoid the lamp blinking.		45074 S	

Content

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■ S - Semi-assembled.
■ BR - White; BM - White Matt; PM - Black Matt; AL - Aluminium.
■ eco - The products identified with this symbol increase the energy saving and contribute to the energy efficiency of the building.

EFAPEL

CONTROL DEVICES (SEMI-ASSEMBLED DEVICES)

	Ref.	Color
Two-way Switch with Pilot Lamp - 2 Modules 10AX - 250V~	45073 S	BR BM PM AL
Two-way Switch with Pilot Lamp - 1 Module 10AX - 250V~	45076 S	
Two-pole Two-way Switch - 2 Modules **NEW** 10AX - 250V~	45077 S	BR BM PM AL
Intermediate Switch - 2 Modules 10AX - 250V~	45051 S	BR BM PM AL
Intermediate Switch - 1 Module **NEW** 10AX - 250V~	45050 S	
Intermediate Switch with Orienting Light - 2 Modules 10AX - 250V~ ■ To control electronic energy-saving lamps, we recommend the use of capacitors of 0,15µF 275V~ connected in parallel with the load to avoid the lamp blinking.	45052 S	BR BM PM AL
Intermediate Switch with Orienting Light - 1 Module 10AX - 250V~ ■ To control electronic energy-saving lamps, we recommend the use of capacitors of 0,15µF 275V~ connected in parallel with the load to avoid the lamp blinking.	45053 S	
Rocker Push-button - 2 Modules 10A - 250V~	45151 S	BR BM PM AL
Rocker Push-button - 1 Module 10A - 250V~	45161 S	
Rocker Push-button (NO+NC) - 2 Modules 10A - 250V~	45150 S	BR BM PM AL
Rocker Push-button (NO+NC) - 1 Module 10A - 250V~	45166 S	
Rocker Push-Button with Bell symbol - 2 Modules **NEW** (￼) 10A - 250V~	45177 S	BR BM PM AL
Rocker Push-Button with Bell symbol - 1 Module **NEW** (￼) 10A - 250V~	45167 S	
Rocker Push-Button with Lamp symbol - 2 Modules **NEW** 10A - 250V~	45179 S	
Rocker Push-Button with Lamp symbol - 1 Module **NEW** 10A - 250V~	45169 S	
Rocker Push-button with Orienting Light (250V~) - 2 Modules 10A - 250V~	45152 S	BR BM PM AL
Rocker Push-button with Orienting Light (250V~) - 1 Module 10A - 250V~	45160 S	

QUADRO 45

EFAPEL
■ **S -** Semi-assembled.
■ **BR -** White; **BM -** White Matt; **PM -** Black Matt; **AL -** Aluminium.

Content

QUADRO 45

CONTROL DEVICES (SEMI-ASSEMBLED DEVICES)

	Ref.	Color
Rocker Push-button with Orienting Light (12V) - 2 Modules 10A - 250V~	45162 S	
Rocker Push-button with Orienting Light (12V) - 1 Module 10A - 250V~	45163 S	BR BM PM AL
Rocker Push-button Orienting Light with Lamp symbol - 2 Modules **NEW** 10A - 250V~	45172 S	
Rocker Push-button Orienting Light with Lamp symbol - 1 Module **NEW** 10A - 250V~	45171 S	BR BM PM AL
Double Push-button - 2 Modules 10A - 250V~	45156 S	BR BM PM AL
Rocker Push-button/Two-way Switch - 2 Modules 10AX - 250V~	45159 S	BR BM PM AL
Electronic Very Low Tension 4-Gang Push-button - 2 Modules 12V⎓ - 50mA / 32V⎓ - 18mA ℹ See Technical Data Sheet - page 157.	45164 S	BR BM PM AL

TEMPERATURE CONTROL (SEMI-ASSEMBLED DEVICES)

	Ref.	Color
Programmable Chronothermostat - 2 Modules eco ■ Rated voltage: 230V~ - 50Hz. ■ Breaking capacity: 16A. ■ Inverter contact (NO+NC), voltage free. ■ Range of temperature readings: -9°C to 35°C. ■ Optimized for electric floor heating. ■ Possibility of connecting the Floor Temperature Sensor (Ref. 81950), with automatic self detection. ℹ See Technical Data Sheet - page 158.	45232 S	BR BM PM AL
Thermostat with Infrared Remote Control - 2 Modules eco ■ Rated voltage: 230V~ - 50Hz. ■ Breaking capacity: 16A. ■ Inverter contact (NO+NC), voltage free. ■ Range of temperature readings: -9°C to 35°C. ■ Optimized for electric floor heating. ■ Possibility to use the Infrared Remote Control/ Multifunctions (Ref. 81900). ■ Possibility of connecting the Floor Temperature Sensor (Ref. 81950), sensor self detection. ℹ See Technical Data Sheet - page 158.	45233 S	BR BM PM AL
Floor Temperature Sensor for Programmable Chronothermostat and Thermostat with Infrared Remote Control ■ Length: 4m. ■ Range: -10° to 50°C. ■ IP67. ■ NTC 12K/25°C.	81950	—

MOTION DETECTORS (SEMI-ASSEMBLED DEVICES)

	Ref.	Color
Motion Detector - 1000W - 2 Modules eco ■ Wall mounting. ■ Rated voltage: 230V~ - 50Hz. ■ Sensibility regulation. ■ Range of detection: 8 meters. ■ Detection angle: 160°. ■ Inverter contact (NO+NC), voltage free. ■ Relay output, compatible with all types of electric loads. ℹ See Technical Data Sheet - page 159.	45401 S	BR BM PM AL
Motion Detector - 400W - 2 Modules eco ■ Wall mounting. ■ Rated voltage: 230V~ - 50Hz. ■ Sensibility regulation. ■ Range of detection: 8 meters. ■ Detection angle: 160°. ■ Inverter contact (NO+NC), voltage free. ■ Relay output, compatible with all types of electric loads. ℹ See Technical Data Sheet - page 159.	45402 S	BR BM PM AL

■ **S -** Semi-assembled; **NO -** Normally Open; **NC -** Normally Closed.
■ **BR -** White; **BM -** White Matt; **PM -** Black Matt; **AL -** Aluminium.
■ eco - The products identified with this symbol increase the energy saving and contribute to the energy efficiency of the building.

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ELECTRICAL BLINDS CONTROL (SEMI-ASSEMBLED DEVICES)

		Ref.	Color
Venetian Switch - 2 Modules 10A - 250V~ ■ Switch function. ■ Electrical and mechanical blockade against two occasional simultaneous orders. ■ Toggles automatically one rocker when the other is pressed.		45293 S	BR BM PM AL
Venetian Switch with Mechanical Blockage - 2 Modules 10A - 250V~ ■ 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	
General Blinds Control Module with Infrared Remote Control - 2 Modules eco ■ Rated voltage: 230V~ - 50Hz. ■ Breaking capacity: 500VA. ■ Possibility to use the Infrared Remote Control Multifunctions (Ref. 81900). ■ 2 programmable functions (Up/Down). ■ Function: "Standby". ℹ️ See Technical Data Sheet - page 160.		45311 S	BR BM PM AL
Local Blinds Control Module with Infrared Remote Control - 2 Modules eco ■ Rated voltage: 230V~ - 50Hz. ■ Breaking capacity: 500VA. ■ Possibility to use the Infrared Remote Control Multifunctions (Ref. 81900). ℹ️ See Technical Data Sheet - page 160.		45312 S	
Venetian Double Push-button - 2 Modules 10A - 250V~ ■ Push-button function. ■ Electrical blockade against two occasional simultaneous orders.		45281 S	BR BM PM AL
Venetian Double Push-button for Multiple Points Blinds Control - 2 Modules 10A - 250V~ ■ 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	

VOICE AND DATA SOCKETS (SEMI-ASSEMBLED DEVICES)

		Ref.	Color
USB Data Socket - 1 Module **FEB. 2019** ■ Allows data passage through USB connection. ■ Maximum bit rate: 12 Mbit/s. ■ Screw terminals connection. ℹ️ See Technical Data Sheet - page 169.		45437 S	BR BM PM AL MF AT GE PE IS DU PR GR PL CH
HDMI Socket with Connector - 1 Module **FEB. 2019** ■ Allows the passage of Audio/Visual data in high definition through the HDMI connector, between any transmitter (computer, DVD, …) with an HDMI connection and a terminal (TV, LCD, Video projector,…). ■ Maximum resolution: 1080p. ℹ️ See Technical Data Sheet - page 168.		45435 S	BR BM PM AL MF AT GE PE IS DU PR GR PL CH
HDMI Socket with Screwless Connect - 2 Modules **FEB. 2019** ■ Allows the passage of Audio/Visual data in high definition through the HDMI connector, between any transmitter (computer, DVD, …) with an HDMI connection and a terminal (TV, LCD, Video projector,…). ■ Maximum resolution: 1080p. ■ Screw terminals connection. ℹ️ See Technical Data Sheet - page 168.		45436 S	BR BM PM AL MF AT GE PE IS DU PR GR PL CH
Female HD15 Socket - 2 Modules **FEB. 2019** ■ Allows the passage of video data through a VGA connector between any transmitter (computer, DVD,...) with a VGA connection and a terminal (TV, LCD, Video projector,...). ■ Screw terminals connection. ℹ️ See Technical Data Sheet - page 169.		45430 S	BR BM PM AL MF AT GE PE IS DU PR GR PL CH
Female RCA Socket 3 Outputs - 1 Module **FEB. 2019** ■ Allows the passage of video data through a RCA connector between any transmitter (computer, DVD,...) with a RCA connection and a terminal (TV, LCD, Video projector,...). ■ Screw terminals connection. ℹ️ See Technical Data Sheet - page 169.		45580 S	BR BM PM AL MF AT GE PE IS DU PR GR PL CH

QUADRO 45

■ **S** - Semi-assembled.
■ **BR** - White; **BM** - White Matt; **PM** - Black Matt; **AL** - Aluminium; **MF** - Ivory; **AT** - Anthracite; **GE** - Ice; **PE** - Pearl; **IS** - Gray; **DU** - Golden; **PR** - Silver; **GR** - Graphite; **PL** - Platinium; **CH** - Champagne.
■ eco - The products identified with this symbol increase the energy saving and contribute to the energy efficiency of the building.

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VOICE AND DATA SOCKETS (SEMI-ASSEMBLED DEVICES)

	Ref.	Color
Module with 1 RJ45 Cat. 6 UTP Connector - 1 Module ℹ️ See Technical Data Sheet - page 219.	45978 S	BR BM PM AL
Module with 1 RJ45 Cat. 5e UTP Connector - 1 Module ℹ️ See Technical Data Sheet - page 219.	45975 S	BR BM PM AL
Module with 1 RJ11 Cat. 3 Connector - 1 Module	45972 S	BR BM PM AL
Module with 1 RJ45 Cat. 6 STP Connector - 1 Module ℹ️ See Technical Data Sheet - page 220.	45988 S	BR BM PM AL
Module with 1 RJ45 Cat. 5e STP Connector - 1 Module ℹ️ See Technical Data Sheet - page 220.	45985 S	BR BM PM AL
Module with 1 Coaxial Connector Type F - 1 Module	45979 S	BR BM PM AL
Module with 1 **IEC Male/ Type F** connector - 1 Module NEW	45982 S	BR BM PM AL
Module with 1 **IEC Female/ Type F** connector - 1 Module NEW	45983 S	BR BM PM AL

ACCESSORIES FOR VOICE AND DATA SOCKETS (SEMI-ASSEMBLED DEVICES)

	Ref.	Color
Face Plate for 2 RJ45 Connectors - 2 Modules (Whitout connectors) ■ To be used with RJ Keystone type connector - page 109.	45971 S	BR BM PM AL
Face Plate for 1 RJ45 Connector - 2 Modules (Whitout connectors) ■ To be used with RJ Keystone type connector - page 109.	45976 S	BR BM PM AL
Face Plate for 1 RJ45 Connector - 1 Module (Not equipped) ■ To be used with RJ Keystone type connector - page 109.	45977 S	BR BM PM AL
Blind Face Plate - 1 Module	45970 S	BR BM PM AL MF AT GE PE IS PR GR PL CH

CONNECTORS

	Ref.	Color
RJ45 Cat. 6 UTP Connector (250 MHz) ℹ️ See Technical Data Sheet - page 219.	21978	
RJ45 Cat. 6 UTP - Connector for Rack assemblage (250 MHz) ℹ️ See Technical Data Sheet - page 220.	82020	—
RJ45 Cat. 6 STP Connector (250 MHz) ℹ️ See Technical Data Sheet - page 220.	21988	
RJ45 Cat. 5e UTP Connector (100 MHz) ℹ️ See Technical Data Sheet - page 219.	21975	
RJ45 Cat. 5e STP Connector (100 MHz) ℹ️ See Technical Data Sheet - page 220.	21985	—
RJ11 Cat. 3 Connector	21972	—

Content

■ **S -** Semi-assembled.
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EFAPEL

COUPLERS FOR FIBRE OPTIC CONNECTORS (SEMI-ASSEMBLED DEVICES)

	Ref.	Color
Module with Coupler for **SC APC Duplex Fibre Optic** Connector - 2 Modules ℹ️ See Technical Data Sheet - page 221.	45448 S	
Module with Coupler for **SC APC Simplex Fibre Optic** Connector - 2 Modules ℹ️ See Technical Data Sheet - page 221.	45447 S	BR BM PM AL
Module with Coupler for **LC Duplex Fibre Optic** Connector - 2 Modules ℹ️ See Technical Data Sheet - page 221.	45449 S	
Protective Cover for Coupler for **SC APC Simplex Fibre Optic** Connector	82970	–
Protective Cover for Coupler for **SC APC Duplex Fibre Optic** Connector	82971	–

RADIO, TELEVISION AND SATELLITE (SEMI-ASSEMBLED DEVICES)

	Ref.	Color
STAR CONNECTION		
R - TV - SAT Socket Star Connection - 2 Modules ■ 4 - 862 MHz: < 2dB. ■ 950 - 2400 MHz: < 3dB. ■ Current flow: 500mA (DC). ℹ️ See Technical Data Sheet - page 171.	45543 S	BR BM PM AL
R - TV Socket Star Connection - 2 Modules ■ 4 - 82 MHz: < 1dB. ■ 84 - 108 MHz: < 2dB. ■ 112 - 1000 MHz: < 1dB. ℹ️ See Technical Data Sheet - page 171.	45533 S	
SERIES CONNECTION		
R - TV - SAT Socket (Terminal) - 2 Modules ■ 4 - 446 MHz: < 6dB. ■ 470 - 862 MHz: < 9dB. ■ 950 - 2400 MHz: < 6dB. ■ Current flow: 500mA (DC). ℹ️ See Technical Data Sheet - page 171.	45555 S	
R - TV - SAT Socket (Passage) - 2 Modules ■ 4 - 862 MHz: < 10dB. ■ 950 - 2150 MHz: < 11dB. ■ 2150 - 2400 MHz: < 9dB. ■ Current flow: 500mA (DC). ■ Insertion losses: 3dB. ℹ️ See Technical Data Sheet - page 171.	45565 S	BR BM PM AL
R - TV Socket (Terminal) - 2 Modules ■ 4 - 82 MHz: < 6dB. ■ 84 - 108 MHz: < 8dB. ■ 112 - 1000 MHz: < 7dB. ℹ️ See Technical Data Sheet - page 171.	45554 S	
R - TV Socket (Passage) - 2 Modules ■ 4 - 1000 MHz: < 9dB. ■ Insertion losses: 2dB. ℹ️ See Technical Data Sheet - page 171.	45564 S	

ENERGY SOCKETS (SEMI-ASSEMBLED DEVICES)

	Ref.	Color
Double USB charger type A ■ Voltage: 100-240 V∼. ■ Frequency: 50-60Hz. ■ Output voltage: 5V⎓. ■ Output current: 2.1A. ■ Two USB Type A outlets.	45439 S	BR BM PM AL MF GE PE IS DU PR GR PL CH
Double USB charger type A with outlets at 20° - 2 Modules **FEB. 2019** ■ Voltage: 100-240 V∼. ■ Frequency: 50-60 Hz. ■ Output voltage: 5V⎓. ■ Output current: 2.4A. ■ Two USB Type A outlets.	45384 S	BR BM PM AL MF AT GE PE IS DU PR GR PL CH
USB charger type A - 1 Module **FEB. 2019** ■ Voltage: 100-240 V∼. ■ Frequency: 50-60 Hz. ■ Output voltage: 5V⎓. ■ Output current: 1.5A. ■ USB outlet Type A.	45383 S	BR BM PM AL MF AT GE PE IS DU PR GR PL CH

EFAPEL

■ **S -** Semi-assembled.
■ **BR -** White; **BM -** White Matt; **PM -** Black Matt; **AL -** Aluminium; **MF -** Ivory; **AT -** Anthracite; **GE -** Ice; **PE -** Pearl; **IS -** Gray; **DU -** Golden; **PR -** Silver; **GR -** Graphite; **PL -** Platinium; **CH -** Champagne.

Content

QUADRO 45

ENERGY SOCKETS (SEMI-ASSEMBLED DEVICES)

		Ref.	Color
Safety Earth Socket (Schuko type) Horizontal Apertures - 2 Modules 16A - 250V~ ■ Screw terminals connection.	FEB. 2019	45129 S	
Safety Earth Socket (Schuko type) Horizontal Apertures and hinged Lid - 2 Modules 16A - 250V~ ■ Screw terminals connection.	FEB. 2019	45128 S	BR BM PM AL LR VD VM
Safety Earth Socket (Schuko type) Horizontal Apertures with Screwless terminals - 2 Modules 16A - 250V~	FEB. 2019	45126 S	
Safety Earth Socket (Schuko type) Horizontal Apertures with Screwless terminals and hinged Lid - 2 Modules 16A - 250V~	FEB. 2019	45127 S	
Safety Earth Socket (Schuko Type) - 2 Modules 16A - 250V~ ■ Screw terminals connection.		45132 S	BR BM PM AL LR VD VM
Earth Socket (Schuko Type) - 2 Modules 16A - 250V~ ■ Screw terminals connection.		45131 S	
Earth Socket (Schuko Type) with Blockage - 2 Modules 16A - 250V~ ■ With electrical shock protection. ■ Supplied with blocking pin (Ref. 45991). ■ Screw terminals connection.		45136 S	VM
Earth Socket (Schuko Type) with Blockage and Signal Light - 2 Modules 16A - 250V~ ■ With electrical shock protection. ■ Supplied with blocking pin (Ref. 45991). ■ Screw terminals connection.		45137 S	
Safety Earth Socket (French type) Horizontal Apertures - 2 Modules 16A - 250V~ ■ Screw terminals connection.	FEB. 2019	45479 S	
Safety Earth Socket (French type) Horizontal Apertures and hinged Lid - 2 Modules 16A - 250V~ ■ Screw terminals connection.	FEB. 2019	45475 S	BR BM PM AL LR VD VM
Safety Earth Socket (French type) Horizontal Apertures with Screwless terminals - 2 Modules 16A - 250V~	FEB. 2019	45476 S	
Safety Earth Socket (French type) Horizontal Apertures with Screwless terminals and hinged Lid - 2 Modules 16A - 250V~	FEB. 2019	45477 S	
Safety Earth Socket (French Type) - 2 Modules 16A - 250V~ ■ Screw terminals connection.		45112 S	BR BM PM AL LR VD VM
Earth Socket (French Type) - 2 Modules 16A - 250V~ ■ Screw terminals connection.		45111 S	BR LR VD VM

■ **S -** Semi-assembed.
■ **BR -** White; **BM -** White Matt; **PM -** Black Matt; **AL -** Aluminium; **LR -** Orange; **VD -** Green; **VM -** Red.

EFAPEL

ENERGY SOCKETS (SEMI-ASSEMBLED DEVICES)

	Ref.	Color
Earth Socket (French Type) with Blockage - 2 Modules 16A - 250V~ ■ With electrical shock protection. ■ Supplied with blocking pin (Ref. 45991).	45116 S	VM
Earth Socket (French Type) with Blockage and Signal Light - 2 Modules 16A - 250V~ ■ With electrical shock protection. ■ Supplied with blocking pin (Ref. 45991).	45117 S	
Safety Earth Socket (Euro-USA Type) - 2 Modules 15A - 127V~/ 16A - 250V~	45142 S	BR BM PM AL VM
Earth Socket (Euro-USA Type) - 2 Modules 15A - 127V~/ 16A - 250V~	45140 S	
Earth Socket (USA NEMA Type) - 2 Modules 15A - 127V~ ■ SASO 2204. ■ NEMA 5-15.	45144 S	BR BM PM AL VM
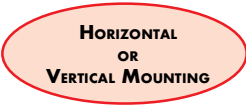
PRE-CABLED DOUBLE AND TRIPLE SOCKETS

	Ref.	Color
Block of Two Safety Earth Sockets (Schuko Type) - 4 Modules 16A - 250V~	45192 S	BR VM
Block of Two Earth Sockets (Schuko Type) - 4 Modules 16A - 250V~	45190 S	
Block of Two Safety Earth Sockets (French Type) - 4 Modules 16A - 250V~	45193 S	BR VM
Block of Two Earth Sockets (French Type) - 4 Modules 16A - 250V~	45191 S	
Block of Three Safety Earth Sockets (Schuko Type) - 6 Modules 16A - 250V~	45196 S	BR VM
Block of Three Earth Sockets (Schuko Type) - 6 Modules 16A - 250V~	45194 S	
Block of Three Safety Earth Sockets (French Type) - 6 Modules 16A - 250V~	45197 S	BR VM
Block of Three Earth Sockets (French Type) - 6 Modules 16A - 250V~	45195 S	

Content

EFAPEL
■ **S -** Semi-assembled.
■ **BR -** White; **BM -** White Matt; **PM -** Black Matt; **AL -** Aluminium; **VM -** Red.
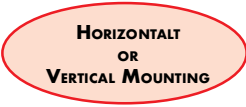
FRAMES

QUADRO 45 - *Siza Vieira*

	SV Single Frame		SV Double Frame		SV Triple Frame		SV Four-Gang Frame	
HORIZONTAL OR VERTICAL MOUNTING	**Ref.**	**Color**	**Ref.**	**Color**	**Ref.**	**Color**	**Ref.**	**Color**
	45911 T	BR BM PM AL	45921 T	BR BM PM AL	45931 T	BR BM PM AL	45941 T	BR BM PM AL

Note: Single, Double, Triple and Four-Gang Frames are assembled with **Adapter Q45 for Flush Mounting Devices** (Ref. 45993) **-** page 68.   See Frame Dimensions **-** page 155.

QUADRO 45

	Single Frame		Double Frame		Triple Frame		Four-Gang Frame	
HORIZONTALT OR VERTICAL MOUNTING	**Ref.**	**Color**	**Ref.**	**Color**	**Ref.**	**Color**	**Ref.**	**Color**
	45910 T	BR BM PM AL	45920 T	BR BM PM AL	45930 T	BR BM PM AL	45940 T	BR BM PM AL

Note: Single, Double, Triple and Four-Gang Frames are assembled with **Adapter Q45 for Flush Mounting Devices** (Ref. 45993) **-** page 68.   See Frame Dimensions **-** page 155.

MOUNTING ACCESSORIES FOR 10 SERIES - DISTRIBUTION AND 16 SERIES CABLE TRUNKINGS

		Ref.	Color
	Q45 Complete Modular Adapter for Trunkings with 75mm Covers - 2 Modules ■ For Series 10 - Distribution.	10950 A	
	Aditional Module for Q45 Adapter for Trunkings with 75mm Covers -2 Modules	10959 A	BR
	Q45 Adapter for Trunkings with 60/75mm Covers - 2 Modules ■ For Series 10 - Distribution.	10986 A	
	Q45 Adapter for Trunkings with 75mm Covers - 4 Modules ■ For Series 10 - Distribution.	10952 A	BR
	Q45 Adapter for Trunkings with 75mm Covers - 6 Modules ■ For Series 10 - Distribution.	10954 A	

Content

■ **A -** Accessory; **T -** Rocker, Cover Plate or Frame.
■ **BR -** White; **BM -** White Matt; **PM -** Black Matt; **AL -** Aluminium.

EFAPEL®

MOUNTING ACCESSORIES FOR 10 SERIES – DISTRIBUTION AND 16 SERIES CABLE TRUNKINGS

		Ref.	Color
Flush Mounting Box ■ For trunkings of L75 covers.		10984 A	BR
Semi-Flush Mounting Box ■ For trunkings of L75 covers.		10985 A	BR

SURFACE MOUNTING ACCESSORIES FOR 10 SERIES – MINI CABLE TRUNKINGS

		Ref.	Color
Surface Modular Mounting Box	NEW	45996 A	BR
Aditional Module for Surface Modular Mounting Box ■ Supplied with divider 10982 A.	NEW	45997 A	BR
Divider for Surface Modular Mounting Box	NEW	10982 A	—
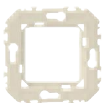
LATERAL ADAPTERS

	Ref.	Color
Q45 Lateral Adapter for 12x7 Trunking	10961 A	
Q45 Lateral Adapter for 16x10 Trunking	10962 A	
Q45 Lateral Adapter for 20x12,5 Trunking	10963 A	
Q45 Lateral Adapter for 32x16 Trunking	10964 A	
Q45 Lateral Adapter for 40x12,5 Trunking	10965 A	BR
Q45 Lateral Adapter for 40x16 Trunking	10966 A	
Q45 Lateral Adapter for 60x16 Trunking	10967 A	
Q45 Lateral Adapter for 75x20 Trunking	10968 A	

FRONTAL ADAPTERS

	Ref.	Color
Q45 Frontal Adapter for 60x16 Trunking ■ For Series 10 Cable Trunkings (Ref. 10070 CBR).	10988 A	
Q45 Frontal Adapter for 75x20 Trunking ■ For Series 10 Cable Trunkings (Ref. 10140 CBR).	10989 A	BR

EFAPEL ■ A - Accessory. ■ BR - White.

Content

QUADRO 45

	Ref.	Color
48 Series Box with Cover for Quadro 45 Series **IP65** ■ Enables the installation of Quadro 45 Series mechanisms on waterproof 48 Series IP65 (except motion detectors and R - TV - SAT sockets).	48998 C	CZ BR
Adapter for Q45 Modules to PANELBOARDS	45990 A	BR
Cover for mechanisms protection - 2 Modules NEW	45998	—
Adapter Q45 for Flush Mounting Devices	45993	—
Blind Cover Plate - 2 Modules	45677 S	BR MF AT GE PE AL IS DU BM PM GR PR PL CH
Blind Cover Plate - 1 Module	45973 S	BR MF AT GE PE AL IS DU BM PM GR PR PL CH
Blocking Pin for Q45 Series Sockets	45991	—
90° Positioner for 2 Modules ■ For semi-assembled devices of QUADRO 45 Series in Desktop Workstations and Columns. ■ Enables device assembly with 90° rotation.	45992	—
Automatic Relay for Blinds Control ■ Rated voltage: 230V~ – 50Hz. ■ Breaking capacity: 6A. ■ Temporized. ■ Connect to the Double Push-buttons and to the Venetian Double Push-buttons. ℹ See Technical Data Sheet - page 162.	81512	—
Relay for Blinds Control ■ Rated voltage: 230V~ – 50Hz. ■ Breaking capacity: 6A. ■ Not temporized. ■ Connect locally to Venetian Double Push-button (Ref. 21283 / 45283 S). ■ For the centralized command of the installation, connect remotely to a Venetian Double Push-button (Ref. 21283 / 45283 S). ℹ See Technical Data Sheet - page 162.	81511	—
Infrared Remote Control Transmitter Multifunctions ■ To control the Thermostat with Infrared Remote Control. ■ To control Blinds Control Modules with Infrared Remote Control. ■ To control the Surrounding Sound System. ■ It works with CR 2032 batteries, not included.	81900	—

■ **A** - Accessory; **C** - Complete Device; **S** - Semi-assembled.
■ **BR** - White; **MF** - Ivory; **CZ** - Grey; **GE** - Ice; **PE** - Pearl; **AL** - Aluminium; **IS** - Gray; **AT** - Anthracite; **PR** - Silver; **GR** - Graphite; **PL** - Platinium; **CH** - Champagne; **BM** - White Matt; **PM** - Black Matt;
DU - Golden.

EFAPEL

COMPLETE DEVICES

MODULAR PRE-CABLED DOUBLE AND TRIPLE MONOBLOCK SOCKETS FOR TRUNKINGS WITH COVERS OF 75MM WIDTH (L75)

	Ref.	Color
Block of Two Safety Modular Earth Sockets (Schuko Type) L75 - 4 Modules 16A - 250V~	45240 C	
Block of Two Modular Earth Sockets (Schuko Type) L75 - 4 Modules 16A - 250V~	45241 C	BR VM
Block of Two Safety Modular Earth Sockets (French Type) L75 - 4 Modules 16A - 250V~	45246 C	BR VM
Block of Three Safety Modular Earth Sockets (Schuko Type) L75 - 6 Modules 16A - 250V~	45242 C	
Block of Three Modular Earth Sockets (Schuko Type) L75 - 6 Modules 16A - 250V~	45243 C	BR VM
Block of Three Safety Modular Earth Sockets (French Type) L75 - 6 Modules 16A - 250V~	45247 C	BR VM

PRE-CABLED DOUBLE AND TRIPLE MONOBLOCK SOCKETS FOR TRUNKINGS WITH COVERS OF 75MM WIDTH (L75)

	Ref.	Color
Block of Two Safety Earth Sockets (Schuko Type) L75 - 4 Modules 16A - 250V~	45262 C	
Block of Two Earth Sockets (Schuko Type) L75- 4 Modules 16A - 250V~	45260 C	BR VM
Block of Two Safety Earth Sockets (French Type) L75 - 4 Modules 16A - 250V~	45263 C	
Block of Two Earth Sockets (French Type) L75 - 4 Modules 16A - 250V~	45261 C	BR VM
Block of Three Safety Earth Sockets (Schuko Type) L75 - 6 Modules 16A - 250V~	45266 C	
Block of Three Earth Sockets (Schuko Type) L75 - 6 Modules 16A - 250V~	45264 C	BR VM
Block of Three Safety Earth Sockets (French Type) L75 - 6 Modules 16A - 250V~	45267 C	
Block of Three Earth Sockets (French Type) L75 - 6 Modules 16A - 250V~	45265 C	BR VM

EFAPEL
■ **C -** Complete Device.
■ **BR -** White; **VM -** Red.

Content

QUADRO 45 - SEMI-ASSEMBLED DEVICES

DESCRIPTION
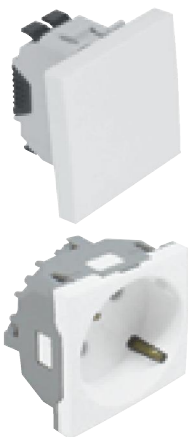
- Semi-assembled devices **QUADRO 45** Series - 1 and 2 modules.

- Possibility of installation:
  - Flush-mounting (Installation in flush-mounting box) with finishing **QUADRO 45** or **QUADRO 45** - *Siza Vieira.*
  - Surface Mounting (Installation with Q45 Modular Surface Mounting Box);
  - Cable-trunkings:
    - Mini Cable-trunkings (Recourse of the Surface Mounting Box with with adptation to the Cable-trunking);
    - Distribution Cable-trunkings (Recourse of the Q45 Modular Adapter)

- Available in colors **BR** - White (RAL 9003), **BM** - White Matte, **AL** - Aluminium, **PM** - Black Matte.

- Energy Sockets: Pre-cabled single, double and triple, Available in 4 colors (White, Red, Orange and Green).

CHARACTERISTICS

- **Mechanisms in technical thermoplastic - resistant material, non-conductive.**

- **Control Devices**
  - 10A - 250V~ - connections with screwless terminals. It allows the usage of rigid and flexible cable.
  - In accordance with EN 60669-1 Standard.

- **Energy Sockets**
  - Earth Socket (Schuko and French types):
    - 16A - 250V~.
    - Connections with screw terminals.
    - In accordance with IEC 60884-1; DIN VDE 0620-1 (Schuko) and NF C 61-314 (French) Standards.
  - Earth Socket (Euro-USA Type):
    - 15A - 127V~/16A - 250V~.
    - In accordance with ANSI; NEMA WD-6 (Figure 5-15) and IEC 60884-1 Standards.
  - Earth Socket (USA NEMA Type):
    - 15A - 127V~.
    - In accordance with SASO 2204; NEMA WD-6 (Figure 5-15) Standard.

DIMENSIONS (mm)

EFAPEL
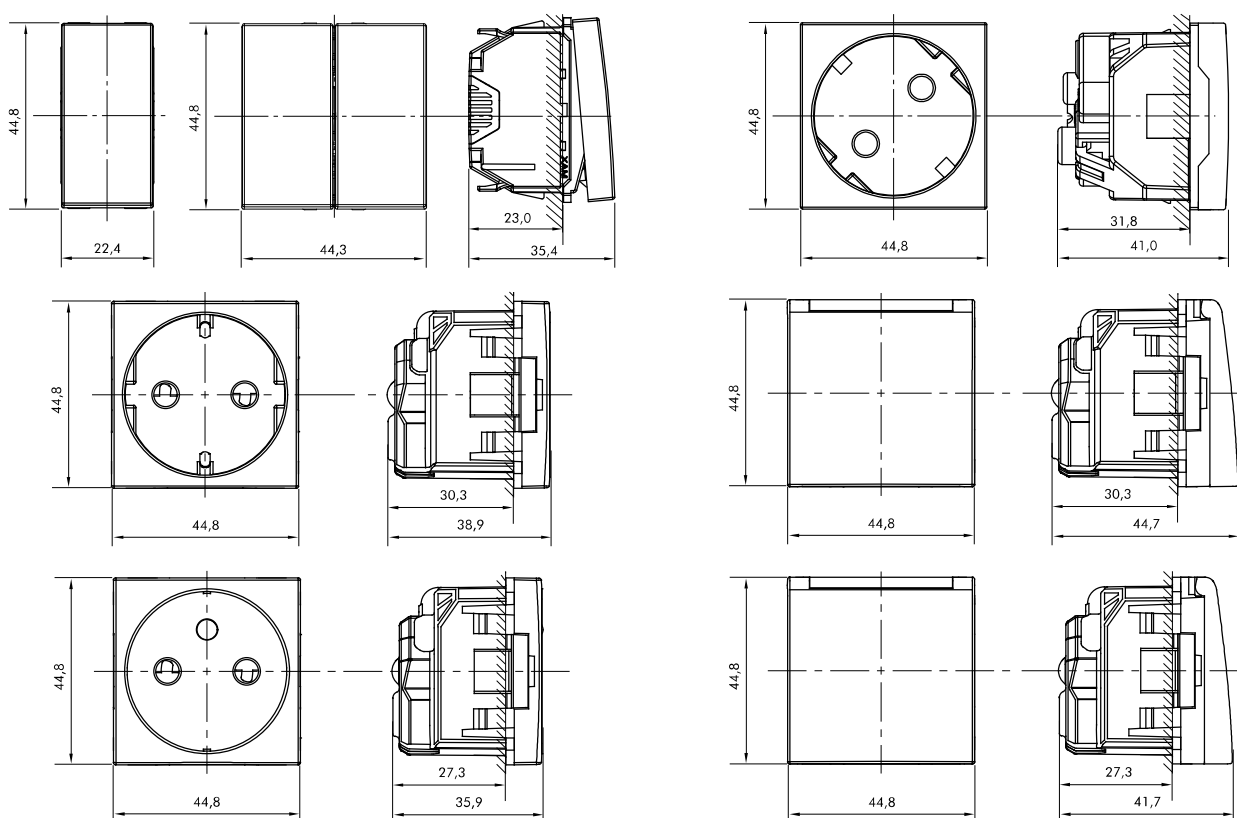
QUADRO 45 - WIRING DIAGRAMS

SINGLE POLE SWITCH
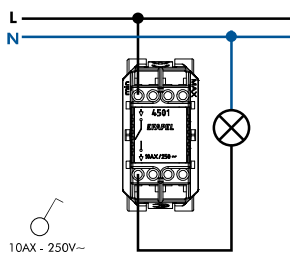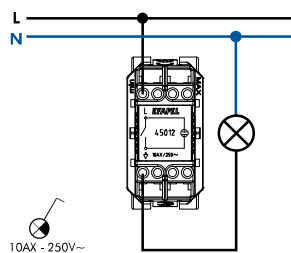
L
N

4501

10AX - 250V~

SINGLE POLE SWITCH WITH ORIENTING LIGHT

L
N

45012

10AX - 250V~

SINGLE POLE SWITCH WITH PILOT LAMP

L
N

45013

10AX - 250V~

TWO-POLE SWITCH

L
N

45021

10AX - 250V~

TWO-POLE SWITCH WITH PILOT LAMP

L
N

45023

10AX - 250V~

TWO CIRCUITS SWITCH

L
N

45061

10AX - 250V~

TWO-WAY SWITCH

L
N

4507   4507

10AX - 250V~

TWO-WAY SWITCH WITH ORIENTING LIGHT

L
N

45072   45072

10AX - 250V~

TWO-WAY SWITCH WITH PILOT LAMP

L
N

45073   45073

10AX - 250V~

INTERMEDIATE SWITCH - 2 MODULES

L
N

4507   45051   4507

10AX - 250V~

INTERMEDIATE SWITCH - 1 MODULE

L
N

4507   45050   4507

10AX - 250V~

INTERMEDIATE SWITCH WITH ORIENTING LIGHT - 2 MODULES

L
N

45072   45052   45072

10AX - 250V~

INTERMEDIATE SWITCH WITH PILOT LAMP - 1 MODULE

L
N

45072   45053   45072

10AX - 250V~

EFAPEL

Content
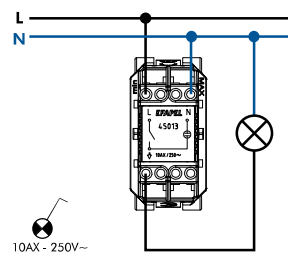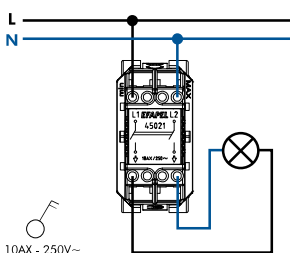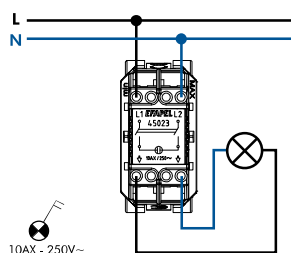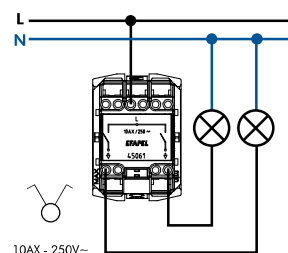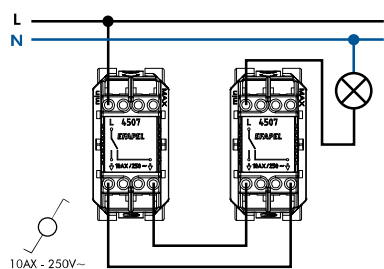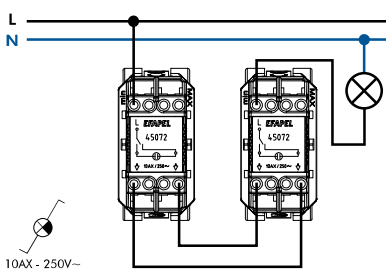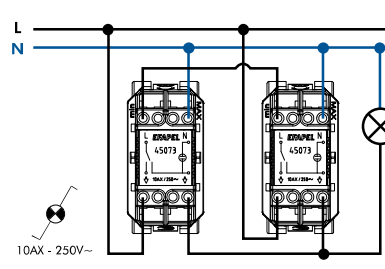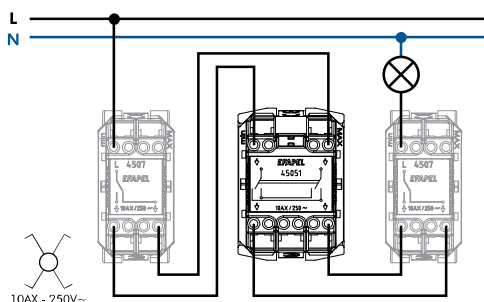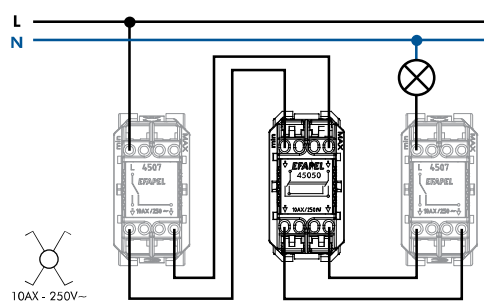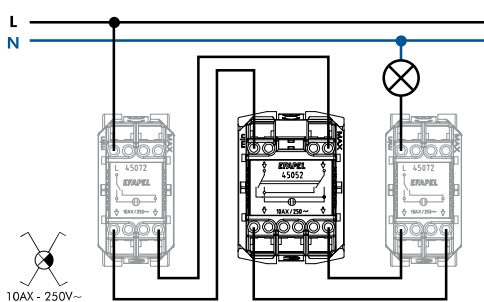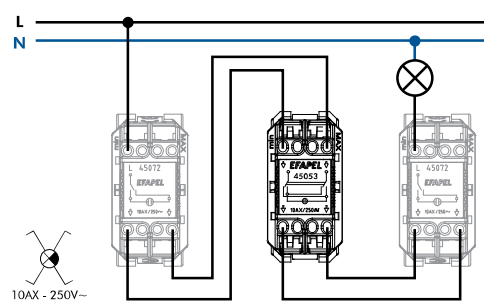
QUADRO 45 - WIRING DIAGRAMS

TWO-POLE TWO-WAY SWITCH
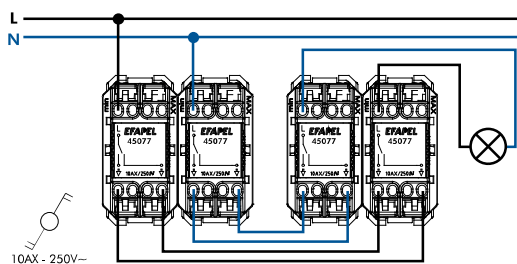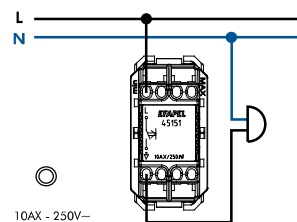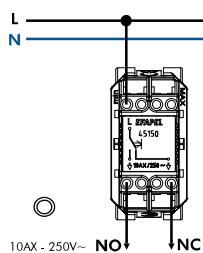
L
N

45077 45077 45077 45077

10AX - 250V~

ROCKER PUSH-BUTTON

L
N

45151

10AX - 250V~

ROCKER PUSH-BUTTON (NO+NC)

L
N

45150

10AX - 250V~   **NO**   **NC**

ROCKER PUSH-BUTTON WITH ORIENTING LIGHT - 250V~

L
N

45152

10AX - 250V~

ROCKER PUSH-BUTTON WITH ORIENTING LIGHT - 12V

L
N

230V
12V

45162
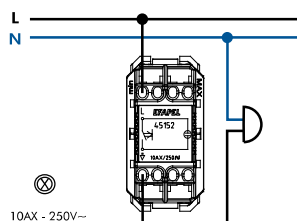
6A - 12V
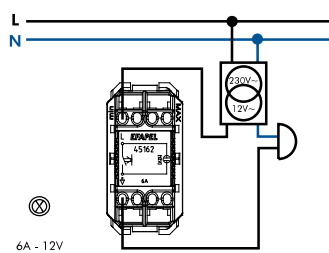
ROCKER PUSH-BUTTON WITH SYMBOL

L
N

45169

10AX - 250V~
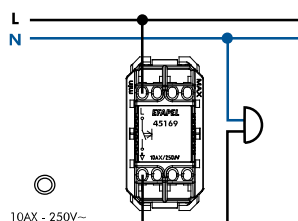
ROCKER PUSH-BUTTON ORIENTING LIGHT WITH SYMBOL
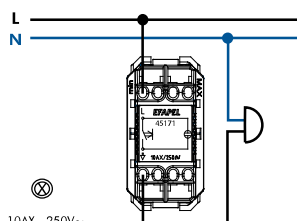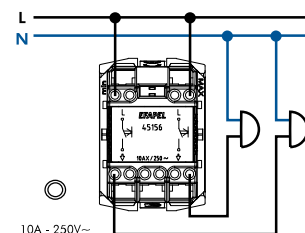
L
N

45171

10AX - 250V~

DOUBLE PUSH-BUTTON

L
N

45156

10A - 250V~

ROCKER PUSH-BUTTON/ TWO-WAY SWITCH

L
N

45159

10AX - 250V~
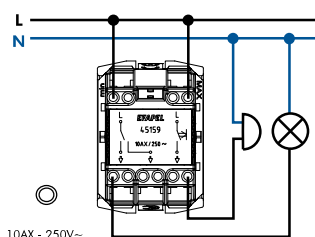
VENETIAN DOUBLE PUSH-BUTTON FOR MULTIPLE POINTS BLINDS CONTROL
(Control from 1 point)

L
N

45283

M

10A - 250V~   Shunt
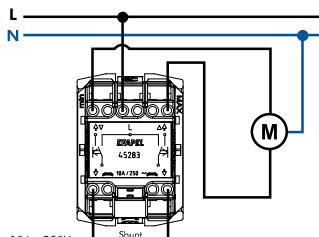
VENETIAN DOUBLE PUSH-BUTTON FOR MULTIPLE POINTS BLINDS CONTROL
(Control from 2 or several points)

L
N

45283

45283

M

10A - 250V~   Shunt
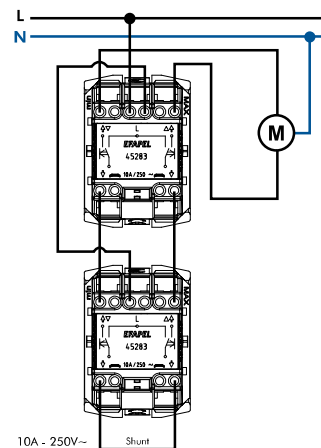
VENETIAN SWITCH VENETIAN SWITCH WITH MECHANICAL BLOCKAGE

L
N

45293

M

10A - 250V~

VENETIAN DOUBLE SWITCH

L
N

45281

M

10A - 250V~

Content

EFAPEL
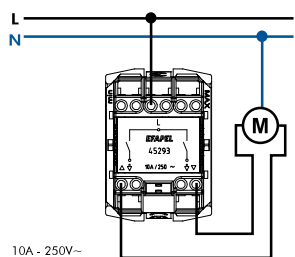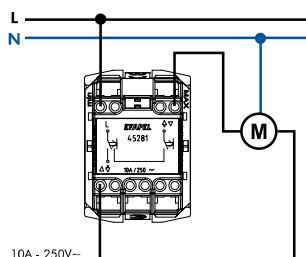
QUADRO 45 - FRAMES - DIMENSIONS (mm)

QUADRO **45**

SINGLE
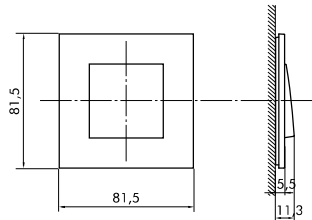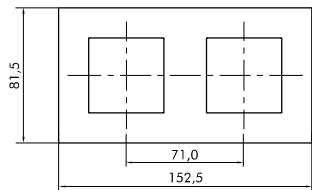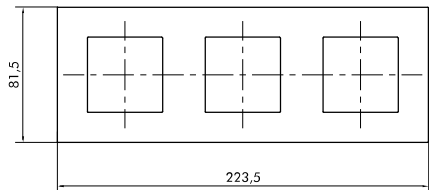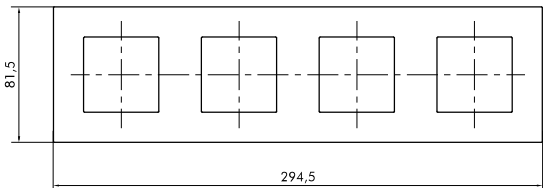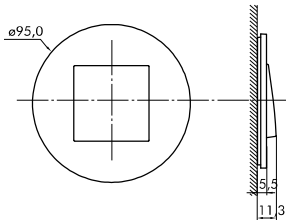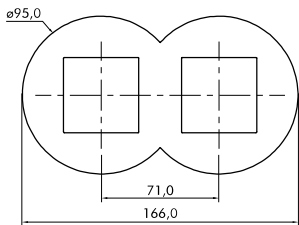
81,5

81,5

5,5

11,3

QUADRO **45**
Siza Vieira

SV SINGLE

ø95,0

5,5

11,3

DOUBLE

81,5

71,0

152,5

SV DOUBLE

ø95,0

71,0

166,0

TRIPLE

81,5

223,5

SV TRIPLE

ø95,0

237,0

FOUR-GANG

81,5

294,5

SV FOUR-GANG

ø95,0

308,0

EFAPEL

DIGITAL TIME SWITCHES (REF. 21041 | 45041 S | 21042 | 45042 S)
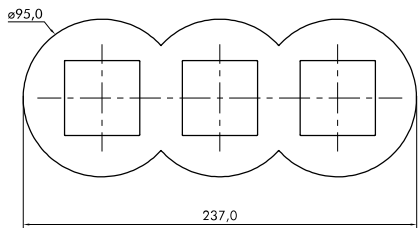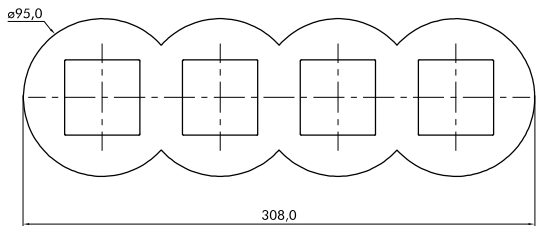
DESCRIPTION

- MEC 21 Mechanisms:
  - Finishings - LOGUS⁹⁰ | APOLO 5000 | **sirius70**.
- Semi-assembled devices - **QUADRO 45**:
  - Finishings - **QUADRO 45** | QUADRO 45 - Siza Vieira.
- The Digital Time Switch allows to control an installation or equipment according to daily or weekly programmed schedule.
- Includes capacity for 24 different program settings.
- Automatic Winter-Summer official time adjustment and possibility of programming a period of inactivity (holydays).

OPERATION

- Allows to change the ON/OFF state of each circuit by manual operation.
- Allows independent programming of the ON, OFF and PULSE functions (1-59 seconds) for each circuit.

CHARACTERISTICS

- 1 Circuit: 16A - 230V~ - 50/60Hz.
- 2 Circuits: 6A + 6A - 230V~ - 50/60Hz.
- Power consumption: < 1W.
- Memory capacity: 24.
- Output type: ON, OFF and Pulse (1 to 59 seconds).
- Programming accuracy: 1 second.
- Operating accuracy: ≤ 1 sec/day.
- Operating temperature: -10°C to +45°C.
- Battery back up: 24 hours.
- Outputs: NO + NC.
- Inverter contact (NO+NC), voltage free.

WIRING DIAGRAMS

EFAPEL

ELECTRONIC VERY LOW TENSION 4-GANG PUSH-BUTTON (REF. 21164 | 45164 S)

DESCRIPTION

■ MEC 21 Mechanisms:

– Finishings - LOGUS⁹⁰ | APOLO 5000 | **sirius70**.

■ Semi-assembled devices - **QUADRO 45**:

– Finishings - **QUADRO 45** | **QUADRO 45** - *Siza Vieira*.

■ Compatible with input modules of different home automation systems.

■ Single entry - four independent outputs.

■ Contact opening and closing through microswitch (voltage free and of **Very Low Tension)**.

OPERATION

■ Press each of the rockers to close the circuit.

CHARACTERISTICS

■ Maximum power dissipation: 60mW (DC 12V 50mA).

■ Maximum voltage: 32V.

■ Insulation resistance: ≥100MΩ.

■ Dielectric strength: AC 250V~ 50Hz/1min.

■ Operating temperature: -25°C to +70°C.

■ Maximum relative humidity: (40°C) ≤ 95%.

■ Contact resistance: ≤ 40mΩ.

■ Outputs: 4NO.

DIMENSIONS (mm)

71,0   71,0   10,0   12,0   22,9   44,8   44,8   38,7   40,9   50,3

CIRCUIT DIAGRAM

COM
(IN)

S1
S2
S3
S4

(OUT)

EFAPEL

TEMPERATURE CONTROL (REF. 21232 | 45232 S | 21233 | 45233 S)
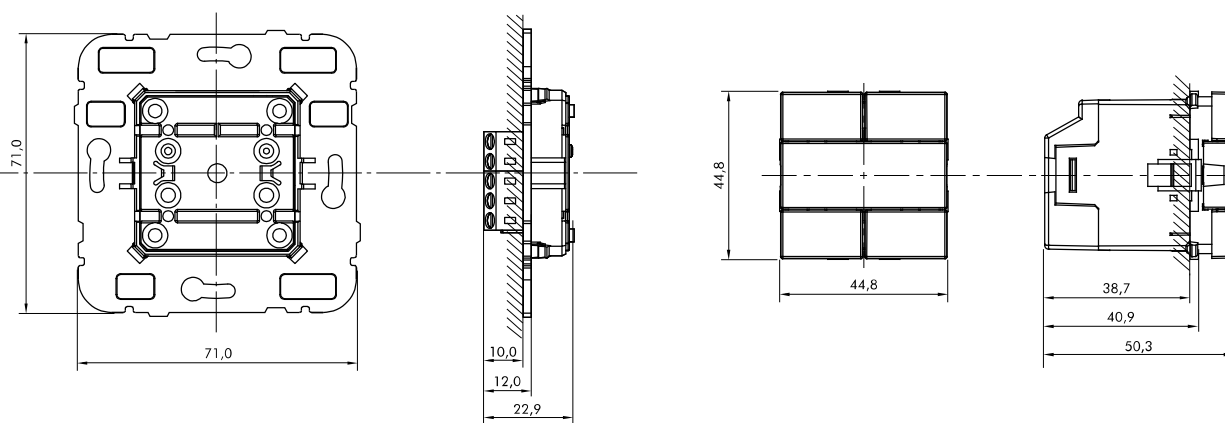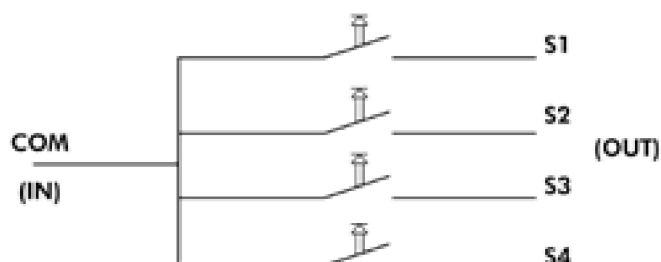
DESCRIPTION

PROGRAMMABLE CHRONOTHERMOSTAT

- MEC 21 Mechanisms:
  - Finishings - LOGUS⁹⁰ I APOLO 5000 I **sirius70**.
- Semi-assembled devices - **QUADRO 45**:
  - Finishings - **QUADRO 45** I **QUADRO 45** - *Siza Vieira*.
- It allows to control manually or automatically the heating/cooling system in accordance with a daily/weekly programming and with preprogrammed temperatures.
- Possibility of connecting the Floor Temperature Sensor (Ref. 81950), with automatic self detection.
- Automatic winter/summer time change.
- Possibility of programming a period of inactivity (holydays).
- Battery back up: 24 hours.

THERMOSTAT WITH INFRARED REMOTE CONTROL

- MEC 21 Mechanisms:
  - Finishings - LOGUS⁹⁰ I APOLO 5000 I **sirius70**.
- Semi-assembled devices - **QUADRO 45**:
  - Finishings - **QUADRO 45** I **QUADRO 45** - *Siza Vieira*.
- It allows to control the heating/cooling system according desired temperature.
- Possibility to be controlled by the Infrared Remote Control Transmitter Multifunctions (Ref. 81900).
- Possibility of connecting the Floor Temperature Sensor (Ref. 81950), with automatic self detection.
- TIMER from 15 to 90 minutes (at intervals of 15 minutes).

OPERATION

- Allows to select a constant desired room temperature (with the Thermostat with Infrared Remote Control).
- Allows to select a desired room temperature for different times of the day and for different days of the week (with the Programmable Chronothermostat).

CHARACTERISTICS

- 230V~ - 50Hz - 16A.
- Consumption: < 1W.
- Operating temperature: -10°C to +45°C.
- Range of temperature readings: -9°C to 35°C.
- Optimized for electric floor heating.
- Programmable temperatures: maximum, minimum, "antifreeze" and floor temperature sensor.
- Inverter contact (NO+NC), voltage free.

WIRING DIAGRAMS (HEATING / COOLING)
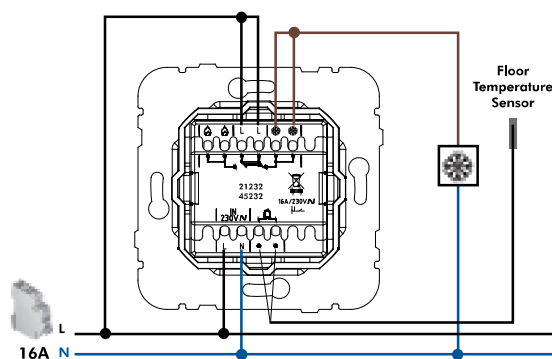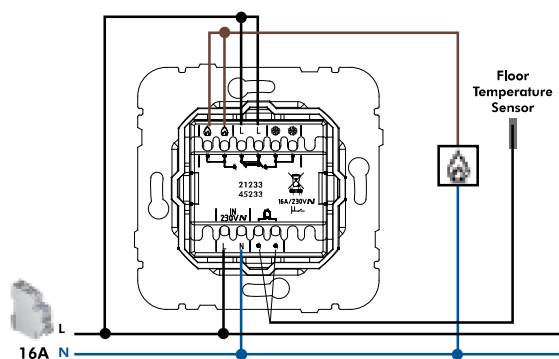
Floor Temperature Sensor

21233
45233

16A/230V∿

16A

L
N

Floor Temperature Sensor

21232
45232

16A/230V∿

16A

L
N

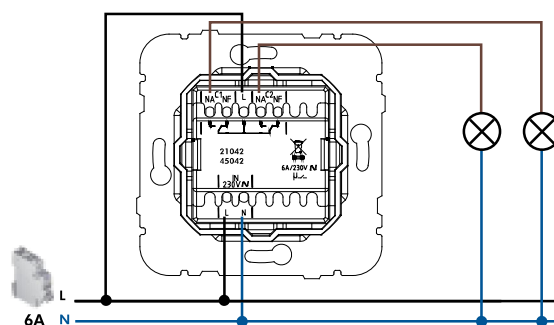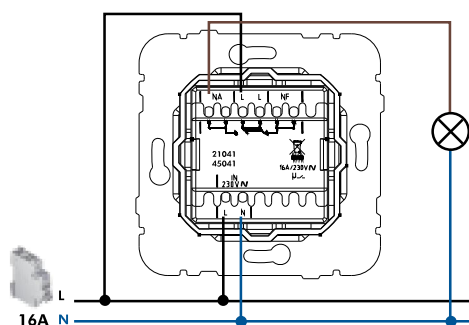**EFAPEL**

DESCRIPTION

- ■ MEC 21 Mechanisms:
  - – Finishings - LOGUS⁹⁰ | APOLO 5000 | **sirius70**.
- ■ Semi-assembled devices - **QUADRO 45**:
  - – Finishings - **QUADRO 45** | **QUADRO 45** - *Siza Vieira*.
- ■ Controls the connection of electrical circuits according to the detection of motion and surrounding luminosity.
- ■ Compatible with any electrical load.
- ■ Wall mounting.

OPERATION

- ■ Remove the cover of the mechanism to reach the adjustment potentiometers.
- ■ Proceed to make the necessary adjustments.

Operating Time Regulation   **Sensibility Regulation**

Range of Detection and Detection Angle

160°

8 m

10°   10°

2 m   2 m

2,5 m
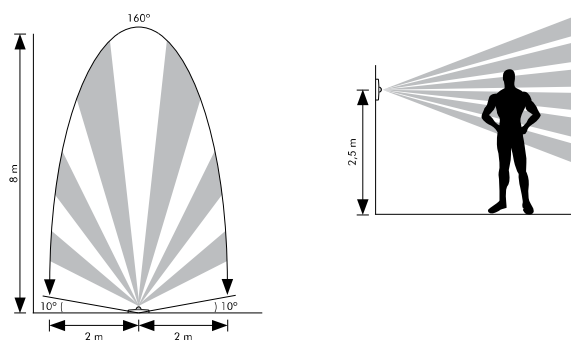
CHARACTERISTICS

- ■ 230V~ - 50Hz.
- ■ Ref. 21401: 1000W.
- ■ Ref. 21402: 400W.
- ■ It needs a neutral conductor.
- ■ Consumption: < 1W.
- ■ Sensitivity regulation.

- ■ Operating time regulation: 5 sec. to 5 min.
- ■ Range of detection: 8 meters.
- ■ Maximum height: 2,5 meters.
- ■ Detection angle: 160°.
- ■ Outputs: NO+NC.
- ■ Inverter contact (NO+NC), voltage free

WIRING DIAGRAM

NA COM NF

21401
45401

230V~
1000W máx.

6A   L
        N

ELECTRICAL BLINDS CONTROL (REF. 21311 | 45311 S | 21312 | 45312 S)
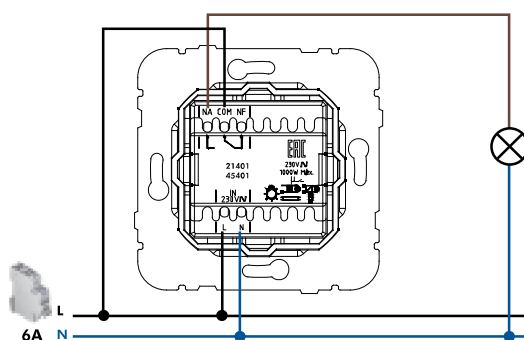
DESCRIPTION

GENERAL BLINDS CONTROL MODULE WITH INFRARED REMOTE CONTROL

- MEC 21 Mechanisms:
  - Finishings - LOGUS⁹⁰ | APOLO 5000 | **sirius70**.
- Semi-assembled devices - **QUADRO 45**:
  - Finishings - **QUADRO 45** | **QUADRO 45** - *Siza Vieira.*
- They allow manually or automatically, the general or individual control of blinds, according to the programmed schedule or the surroundings conditions (luminosity, wind, etc.), measured by associated sensors.
- Local control of blinds.
- Possibility to be controlled by the Infrared Remote Control Transmitter Multifunctions (Ref. 81900).
- Battery back up: 24 hours.
- Allows to receive sensor signals: 230V~ (PR1 and PR2).
- 2 programming functions (up or down)
- Function "Stand-By".

LOCAL BLINDS CONTROL MODULE WITH INFRARED REMOTE CONTROL

- MEC 21 Mechanisms:
  - Finishings - LOGUS⁹⁰ | APOLO 5000 | **sirius70**.
- Semi-assembled devices - **QUADRO 45**:
  - Finishings - **QUADRO 45** | **QUADRO 45** - *Siza Vieira.*
- Individual control of blinds.
- Local control of blinds.
- Possibility to be controlled by the Infrared Remote Control Transmitter Multifunctions (Ref. 81900).

OPERATION

- Press the buttons to open/close the blinds.
- Allows to programme two operations for each 24 hours (only in the General Blinds Control Module).

CHARACTERISTICS

- 230V~±10% - 50Hz - 500VA.
- Consumption: < 1W.
- Outputs: NO.
- Inverter contact (NO+NC), voltage free.

EFAPEL®

ELECTRICAL BLINDS CONTROL (REF. 21311 | 45311 S | 21312 | 45312 S)

WIRING DIAGRAM

■ **BLINDS CENTRALIZED INSTALLATION – WITH BLINDS CONTROL MODULES**
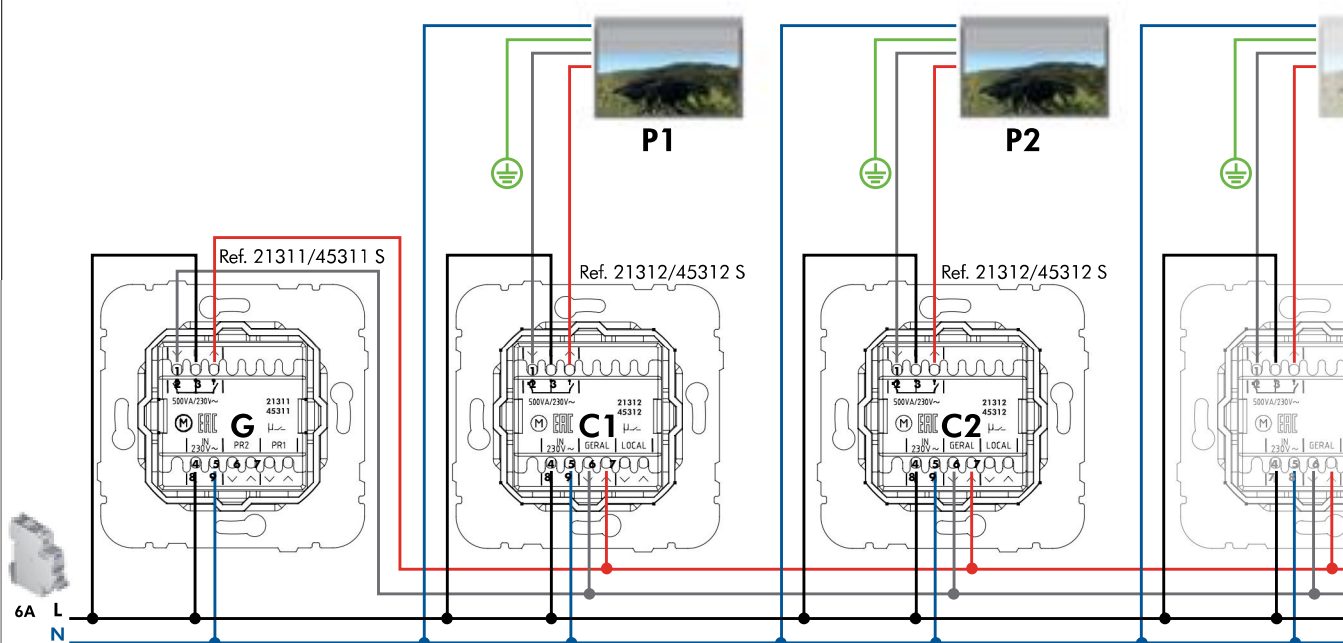
GENERAL BLINDS CONTROL (G)

1. General Output - Down

2. Blinds Power Supply (line)

3. General Output - Up

4. Power Suply (line)

5. Power Suply (neutral)

6. Signal input priority 2 (230V~) - Down

7. Signal input priority 2 (230V~) - Up

8. Signal input priority 1 (230V~) - Down

9. Signal input priority 1 (230V~) - Up

LOCAL BLINDS CONTROL (C1), (C2), ...

1. Output for Motor - Down

2. Blinds Power Supply (line)

3. Output for Motor - Up

4. Power Suply (line)

5. Power Suply (neutral)

6. Signal input from General Blinds Control - Down

7. Signal input from General Blinds Control - Up

8. Signal input from the Local Blinds Control - Down

9. Signal input from the Local Blinds Control - Up

OPERATION INPUTS (EXAMPLE DOWN ⌄)

INPUT PR1

INPUT PR2

ELECTRICAL BLINDS CONTROL (REF. 81512 | 81511)
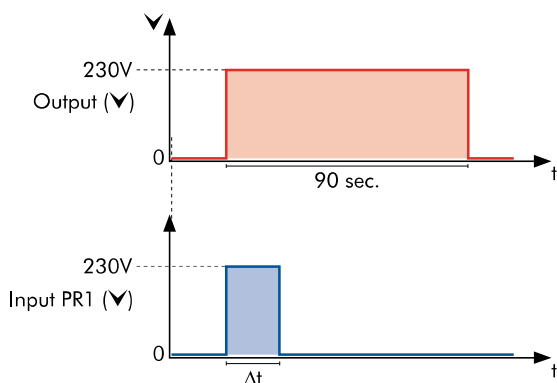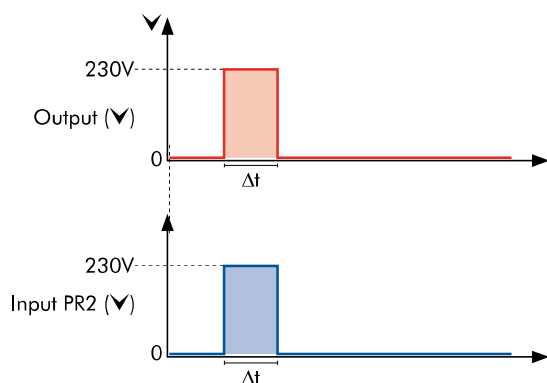
DESCRIPTION

AUTOMATIC RELAY FOR BLINDS CONTROL

- Allows to control the individual and general control of a set 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

- **Only compatible with Venetian Double Push-button for Multiple Points Blinds Control (Ref. 21283 / 45283 S).**

- Allows the individual and general control of a set 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**.

OPERATION

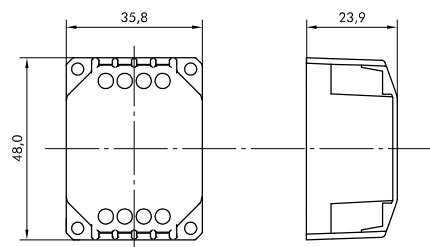- Press the associated buttons to open/close the blinds.

CHARACTERISTICS

REF. 81512

- 230V~ - 50Hz - 6A (1380W, cosϕ=1).
- Consumption: < 1W.
- Opening and closing time: 90 seconds.
- Protection against two simultaneous orders - Electrical blockage is guaranteed by Relay (Ref. 81512).

REF. 81511

- 230V~ - 50Hz - 6A (1380W, cosϕ=1).
- Consumption: < 1W.
- 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)

35,8   23,9   48,0

OPERATION INPUTS (EXAMPLE DOWN ∨)

REF. 81512

Motor
230V
Output (∨)
0
General
Local
230V
Input
Local/General (∨)
0
t

REF. 81511

Motor
230V
Output (∨)
0
Δt₁   Δt₂
General
Local
230V
Input
Local/General (∨)
0
Δt   Δt₂
t

Content

EFAPEL®
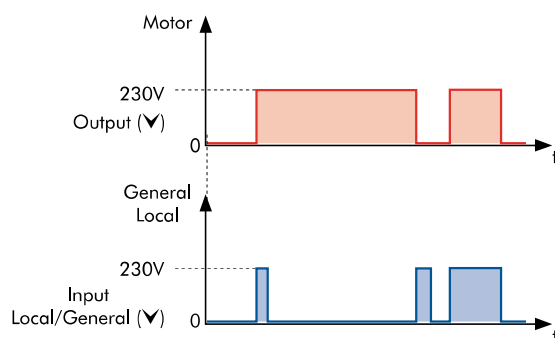
ELECTRICAL BLINDS CONTROL (REF. 81512 | 81511)

WIRING DIAGRAMS

■ **BLINDS CENTRALIZED INSTALLATION - WITH AUTOMATIC RELAYS FOR BLINDS CONTROL** (REF. 81512)
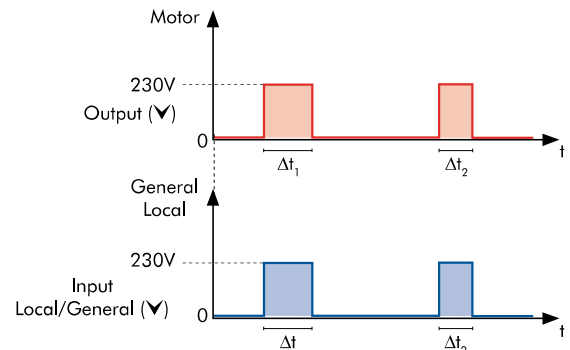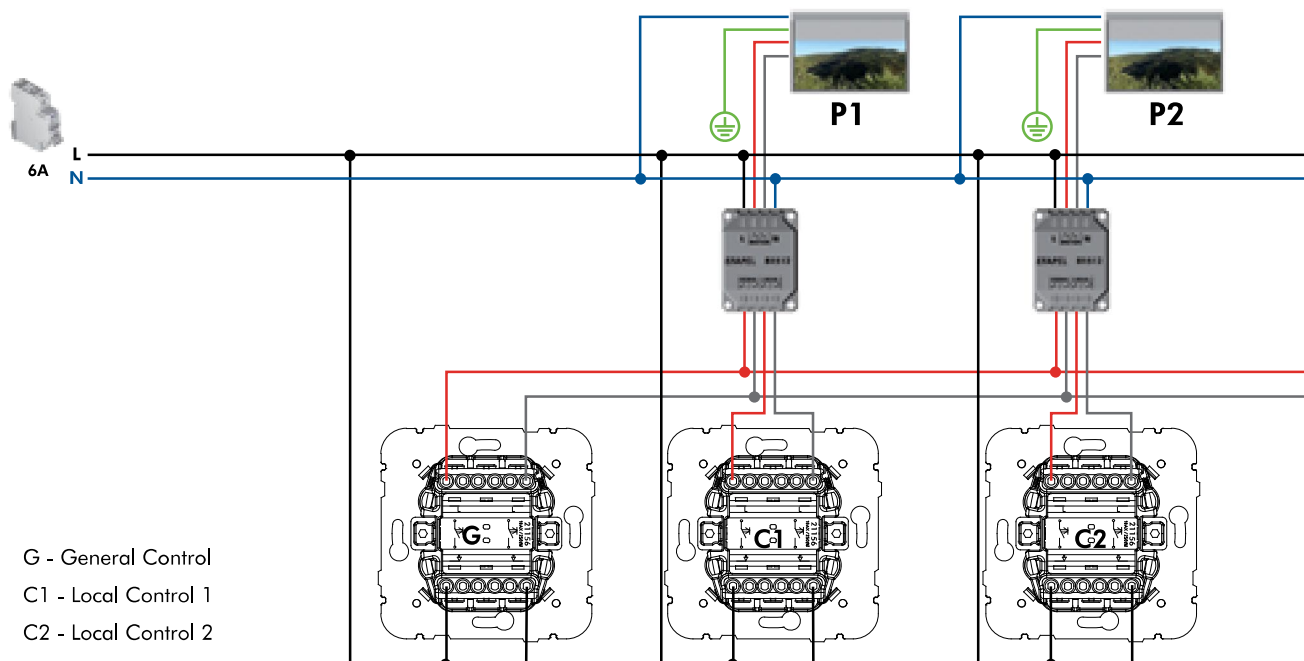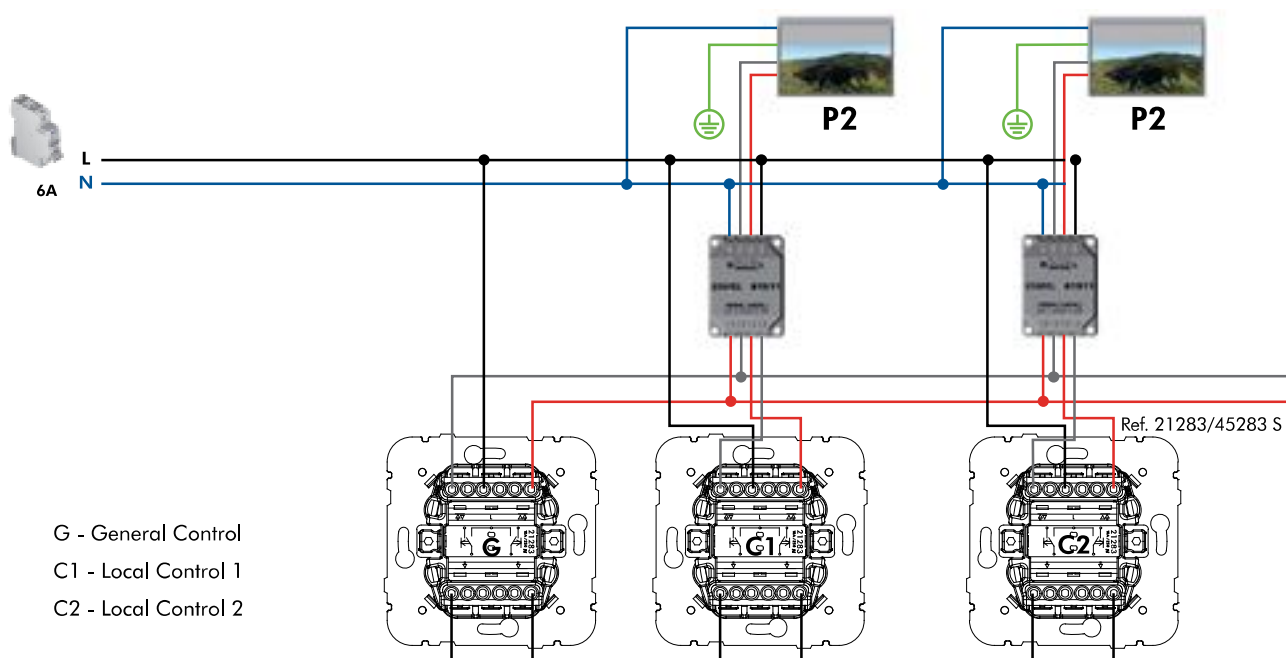

6A
L
N

P1

P2

G - General Control
C1 - Local Control 1
C2 - Local Control 2

Note: The protection against two simultaneous orders of open or close applied in the same device or different devices, is guaranteed by the software of the relay.

■ **BLINDS CENTRALIZED INSTALLATION - WITH RELAYS FOR BLINDS CONTROL** (REF. 81511)

6A
L
N

P2

P2

Ref. 21283/45283 S

G - General Control
C1 - Local Control 1
C2 - Local Control 2

Notes:
- It is required to hold down the buttons in order to open / close 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
   ⋀ - Output for motor - Up
   ⋁ - Output for motor - Down
   GENERAL - Inputs from the General Control
   LOCAL - Inputs from the Local Control

■ **RELÉ DE COMANDOS DE PERSIANA** (REF. 81511)

   N - Neutral
   L - Phase
   ⋀ - Output for motor - Up
   ⋁ - Output for motor - Down
   GENERAL - Inputs from the General Control
   LOCAL - Inputs from the Local Control

Content

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