

APOLO 5000

APOLO 5000



The APOLO 5000 Series presents a simple and clean shape.

Its discreet presence adds a minimalist touch and distinction to your decoration.

All functions from mec21 Series.

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STANDARD



BR
White

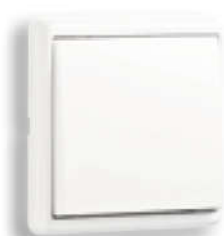


MF
Ivory



PT
Black

MATTE



BM
White Matt



PM
Black Matt

METALIZADA



GR
Graphite



PR
Silver



PL
Platinum



CH
Champagne

CONTROL DEVICES		Ref.
	Single Pole Switch 10AX - 250V~	21011
	Single Pole Switch with Orienting Light 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. ■ Replacement LED - page 36.	21012
	Single Pole Switch with Pilot Lamp 10AX - 250V~ ■ Replacement LED - page 36.	21013
	Two-pole Switch 10AX - 250V~	21021
	Two-pole Switch with Pilot Lamp 10AX - 250V~ ■ Replacement LED - page 36.	21023
	Two-pole Switch with Pilot Lamp - 20A 20A - 250V~ ■ Screw terminals connection. ■ Replacement LED - page 36.	21024
	One Circuit Digital Time Switch ■ Rated voltage: 230V~ - 50-60Hz. ■ Breaking capacity: 16A. ■ Output type: ON, OFF and PULSE.  See Technical Data Sheet - page 156.	21041
	Two Circuits Digital Time Switch ■ Rated voltage: 230V~ - 50-60Hz. ■ Breaking capacity: 6A + 6A. ■ Output type: ON, OFF and PULSE.  See Technical Data Sheet - page 156.	21042
	Card-system Switch 10AX - 250V~ ■ Single Pole Switch with Orienting Light function. ■ Two-way Switch function (NO+NC). ■ For ATM card type (Ref. 21999). ■ 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. ■ Screw terminals connection. ■ Replacement LED - page 36.	21031
	Two Circuits Switch 10AX - 250V~	21061
	Two Circuits Switch - 20A 20A - 250V~ ■ Screw terminals connection.	21065
	Two Circuits Switch with Orienting Light NEW 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.	21062

ROCKERS / COVER PLATES			Ref.	Color
	Rocker for Switches		50601 T	BR MF PT BM PM PR GR PL CH
	Rocker for Lighted Switches		50602 T	BR MF PT BM PM PR GR PL CH
	Rocker for Lighted Switches / Push-button with Lamp Symbol		50797 T	BR MF PT BM PM PR GR PL CH
	Rocker for Switches		50601 T	BR MF PT BM PM PR GR PL CH
	Rocker for Two-pole Switch		50608 T	
	Rocker for Lighted Switches		50602 T	BR MF PT BM PM PR GR PL CH
	Rocker for Lighted Switches / Push-button "HEIZUNG NOTSCHALTER"		50798 T	
	Rocker for Lighted Switches / Push-button with Lamp Symbol		50797 T	
	Cover Plate for One Circuit Digital Time Switch		50743 T	BR MF PT BM PM PR GR PL CH
	Cover Plate for Two Circuits Digital Time Switch		50744 T	BR MF PT BM PM PR GR PL CH
	Cover Plate for Card-system Switch		50731 T	BR MF PT BM PM PR GR PL CH
	Double Rockers		50611 T	BR MF PT BM PM PR GR PL CH
	Rocker for Double Function Mec with Orienting Light NEW		50615 T	BR MF PT BM PM PR GR PL CH



CONTROL DEVICES		Ref.
	Two Circuits Switch With Pilot Lamp 10AX - 250V~ NEW	21063
	Three Circuits Switch 16AX - 250V~ ■ Screw terminals connection.	21088
	Two-way Switch 10AX - 250V~	21071
	Two-way Switch with Orienting Light 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. ■ Replacement LED - page 36.	21072
	Two-way Switch with Pilot Lamp 10AX - 250V~ ■ Replacement LED - page 36.	21073
	Two-way Switch - 20A 20A - 250V~ ■ Screw terminals connection.	21075
	Double Two-way Switch 10AX - 250V~	21101
	Double Two-way Switch - 20A 20A - 250V~ ■ Screw terminals connection.	21103
	Double Two-Way Switch with Orienting Light 10AX - 250V~ NEW ■ 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.	21202
	Double Two-way Switch with Pilot Lamp 10AX - 250V~ NEW	21203
	Intermediate Switch 10AX - 250V~	21051
	Double Intermediante Switch 10AX - 250V~ NEW	21204

ROCKERS / COVER PLATES		Ref.	Color
	Rocker for Double Function Mec with Orienting Light NEW	50615 T	BR MF PT BM PM PR GR PL CH
	Triple Rockers	50661 T	BR MF PT BM PM PR GR PL CH
	Rocker for Switches	50601 T	BR MF PT BM PM PR GR PL CH
	Rocker for switches with big/small fans symbols NEW	50609 T	
	Rocker for Lighted Switches	50602 T	BR MF PT BM PM PR GR PL CH
	Rocker for Switches	50601 T	BR MF PT BM PM PR GR PL CH
	Rocker for switches with big/small fans symbols NEW	50609 T	
	Double Rockers	50611 T	BR MF PT BM PM PR GR PL CH
	Double Rockers for Two-way Switch Fan NEW	50616 T	
	Rocker for Double Function MEC with Orienting Light NEW	50615 T	BR MF PT BM PM PR GR PL CH
	Rocker for Switches	50601 T	BR MF PT BM PM PR GR PL CH
	Rocker for Double Function Mechanism NEW	50614 T	BR MF PT BM PM PR GR PL CH

■ T - Rocker, Cover Plate or Frame.

■ BR - White; MF - Ivory; PT - Black; BM - White Matt; PM - Black Matt; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne.



CONTROL DEVICES		Ref.
	Intermediate Switch with Orienting Light 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. ■ Replacement LED - page 36.	21052
	Double Intermediate Switch Orienting Light 10AX - 250V~ NEW ■ 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.	21205
	Rocker Push-button 10A - 250V~	21151
	Rocker Push-button (NO+NC) 10A - 250V~	21150
	Rocker Push-button with Orienting Light - 250V~ 10A - 250V~ ■ Replacement LED - page 36.	21152
	Rocker Push-button with Orienting Light - 12V 6A - 12V ■ Replacement LED - page 36.	21162
	Rocker Push-button with Independent Pilot Lamp 10A - 250V~ ■ Replacement LED - page 36.	21153
	Rocker Push-button with Identification - 250V~ 10A - 250V~	21155
	Rocker Push-button with Identification - 12V 6A - 12V	21165
	Double Push-button 10A - 250V~	21156
	Double Push-button (2NO+2NC) 10A - 250V~	21154

ROCKERS / COVER PLATES			Ref.	Color
	Rocker for Lighted Switches		50602 T	BR MF PT BM PM PR GR PL CH
	Rocker for Double Function Mec with Orienting Light NEW		50615 T	BR MF PT BM PM PR GR PL CH
	Rocker for Switches		50601 T	
	Rocker for Switches with Lock Symbol		50604 T	
	Rocker for Switches with Bell Symbol		50605 T	BR MF PT BM PM PR GR PL CH
	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 PT 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	BR MF PT BM PM PR GR PL CH
	Double Rockers		50611 T	BR MF PT BM PM PR GR PL CH

CONTROL DEVICES		Ref.
	Double Rocker Push-button with Orienting Light 250V~ 10A - 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.	21206
	Double Rocker Push-button with Orienting Light 12V 6A - 12V	21207
	Two-way Switch / Rocker Push-button 10AX - 250V~	21158
	Rocker Push-button / Two-way Switch 10AX - 250V~	21159
	Two-way Switch with Orienting Light / Rocker Push-button with Orienting Light 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.	21208
	Rocker Push-button with Orienting Light / Two-way Switch with Orienting Light 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.	21209
	Electronic Very Low Tension 4-Gang Push-button 12V~ - 50mA / 32V~ - 18mA ■ See Technical Data Sheet - page 157.	21164
	Rotary Switch - 16A 16AX - 250V~ ■ Screw terminals connection.	21302
	Rotary Two-way Switch - 16A 16AX - 250V~ ■ ON - OFF - ON. ■ Screw terminals connection.	21301
	3 Positions Rotary Switch White 16(4)A - 250V~ ■ Screw terminals connection.	21300
	4 Positions Rotary Switch White 16(4)A - 250V~ ■ Screw terminals connection.	21305
	Key Lock Two-way Switch 10AX - 250V~ ■ ON - OFF - ON. ■ It allows to remove the key in 3 positions. ■ Screw terminals connection.	21352
	Key Lock Push-button 10A - 250V~ ■ ON - OFF - ON. ■ Allows key removal in OFF position. ■ Screw terminals connection.	21351

ROCKERS / COVER PLATES		Ref.	Color
	Rocker for Double Function Mec with Orienting Light	50615 T	BR MF PT BM PM PR GR PL CH
	Double Rockers	50611 T	BR MF PT BM PM PR GR PL CH
	Rocker for Double Function Mec with Orienting Light	50615 T	BR MF PT BM PM PR GR PL CH
	Quadruple Rocker	50600 T	BR MF PT BM PM PR GR PL CH
	Cover Plate for Rotary Switch (ON/OFF)	50762 T	BR MF PT BM PM PR GR PL CH
	Cover Plate for Rotary Push-button / Two-way Switch	50761 T	BR MF PT BM PM PR GR PL CH
	Cover plate for Rotary Two-way switch (I, 0, II)	50760 T	BR MF PT BM PM PR GR PL CH
	Cover Plate for 3 positions Rotary Switch	50765 T	BR MF PT BM PM PR GR PL CH
	Cover Plate for 4 positions Rotary Switch	50766 T	BR MF PT BM PM PR GR PL CH
	Cover Plate for Key Lock Push-button / Two-way Switch	50351 T	BR MF PT BM PM PR GR PL CH



CONTROL DEVICES	
	Ref.
 Pull-cord Two-way Switch 10AX - 250V~ ■ NO+NC. ■ Screw terminals connection.	21092
 Pull-cord Push-button 10A - 250V~ ■ NO. ■ Screw terminals connection.	21091
 Pull-cord Push-button (NO+NC) NEW 10A - 250V~ ■ NO+NC. ■ Screw terminals connection.	21090

ROCKERS / COVER PLATES	
	Ref. Color
 Cover Plate for Pull-cord Push-button / Two-way Switch ■ Cord with approximately 65 cm.	50741 T BR MF PT BM PM PR GR PL CH

TEMPERATURE CONTROL	
	Ref.
 Programmable Chronothermostat  ■ 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. See Technical Data Sheet - page 158.	21232
 Thermostat with Infrared Remote Control  ■ 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), with automatic self-detection. See Technical Data Sheet - page 158.	21233

ROCKERS / COVER PLATES	
	Ref. Color
 Cover Plate for Programmable Chronothermostat	50740 T BR MF PT BM PM PR GR PL CH
 Cover Plate for Thermostat with Infrared Remote Control	50742 T BR MF PT BM PM PR GR PL CH
 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	
	Ref.
 Motion Detector - 1000W  ■ 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. See Technical Data Sheet - page 159.	21401
 Motion Detector - 400W  ■ 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. See Technical Data Sheet - page 159.	21402

ROCKERS / COVER PLATES	
	Ref. Color
 Cover Plate for Motion Detectors	50401 T BR MF PT BM PM PR GR PL CH

ELECTRICAL BLINDS CONTROL	
	Ref.
 Venetian Switch 10A - 250V~ ■ 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 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.	21291
 General Blinds Control Module with Infrared Remote Control ■ Rated voltage: 230V~ - 50Hz. ■ Breaking capacity: 500VA. ■ Possibility to use the Infrared Remote Control/Multifunctions (Ref. 81900). ■ 2 programmable functions (Up/Down). ■ Function: "Standby". See Technical Data Sheet - page 160.	21311
 Local Blinds Control Module with Infrared Remote Control ■ Rated voltage: 230V~ - 50Hz. ■ Breaking capacity: 500VA. ■ Possibility to use the Infrared Remote Control/Multifunctions (Ref. 81900). See Technical Data Sheet - page 160.	21312
 Venetian Double Push-button 10A - 250V~ ■ Push-button function. ■ Electrical blockade against two occasional simultaneous orders.	21281
 Venetian Double Push-button for multiple points Blinds Control 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).	21283
 Rotary Push-button 16A - 250V~ ■ ON - OFF - ON.	21303

DIMMERS	
	Ref.
 Dimmer for Fluorescent Lamps with Electronic Ballast EVG 1-10V ■ I_{max} - 40mA. ■ Silent. See Technical Data Sheet - page 164.	21210
 Ferromagnetic Dimmer/Two-way Switch - 500VA R, L ■ 20 - 500W/VA. See Technical Data Sheet - page 164.	21211
 Electronic Dimmer/Two-way Switch - 320W R, C ■ 5 - 320W. ■ Silent. See Technical Data Sheet - page 164.	21212
 Electronic Dimmer/Two-way Switch - 550W R, C ■ 20 - 550W/VA. ■ Silent. See Technical Data Sheet - page 164.	21213

ROCKERS / COVER PLATES		
	Ref.	Color
 Rockers for Venetian Switch	50613 T	BR MF PT BM PM PR GR PL CH
 Cover Plate for General Blinds Control Module with Infrared Remote Control	50311 T	BR MF PT BM PM PR GR PL CH
 Cover Plate for Local Blinds Control Module with Infrared Remote Control	50312 T	BR MF PT BM PM PR GR PL CH
 Rockers for Venetian Push-buttons	50612 T	BR MF PT BM PM PR GR PL CH
 Cover Plate for Rotary Push-button / Two-way Switch	50761 T	BR MF PT BM PM PR GR PL CH

ROCKERS / COVER PLATES		
	Ref.	Color
 Cover Plate for Dimmer/Two-way Switch	50721 T	BR MF PT BM PM PR GR PL CH

■ T - Rocker, Cover Plate or Frame.
 ■ BR - White; MF - Ivory; PT - Black; BM - White Matt; PM - Black Matt; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne.
 ■  - The products identified with this symbol increase the energy saving and contribute to the energy efficiency of the building.

DIMMERS		Ref.
	Dimmer/Two-way Switch for Energy Saving Lamps - 110VA R, L ■ 7 - 110W/VA. ■ 3 - 35W LED's. ■ Dimmable LEDs. See Technical Data Sheet - page 164.	21214
	Electronic Dimmer/Two-way Switch for Low Power Lamps - 150W R, C ■ 15 - 150W/VA. ■ 3 - 50W LED's. ■ Dimmable LEDs. ■ Silent. See Technical Data Sheet - page 164.	21215
	Ferromagnetic Dimmer/Two-way Switch for Energy Saving Lamps - 250W/VA R, L ■ 20 - 250W/VA. ■ 3 - 85W LED's. ■ Dimmable LEDs. See Technical Data Sheet - page 164.	21216
	Electronic Dimmer/ Two-way Switch for Energy Saving Lamps - 450W/VA R, C ■ 15 - 450W/VA. ■ 5 - 150W LED's. ■ Dimmable LEDs. ■ Silent. See Technical Data Sheet - page 164.	21217
	Speed Controller for Induction Motors - 600VA ■ 25 - 600VA. See Technical Data Sheet - page 164.	21219

DATA SOCKETS		Ref.
	RJ45 Cat. 6 UTP Socket (Equipped with connector) See Technical Data Sheet - page 219.	21455
	RJ45 Cat. 6 STP Socket (Equipped with connector) See Technical Data Sheet - page 220.	21445
	RJ45 Cat. 5e UTP Socket (Equipped with connector) See Technical Data Sheet - page 219.	21453
	RJ45 Cat. 5e STP Socket (Equipped with connector) See Technical Data Sheet - page 220.	21443
	RJ45 Socket adapter (Equipped without connector)	21976

RJ45 CONNECTORS		Ref.
	RJ45 Cat. 6 UTP Connector (250 MHz) See Technical Data Sheet - page 219.	21978
	RJ45 Cat. 6 UTP - Connector for Rack assembly (250 MHz) See Technical Data Sheet - page 220.	82020
	RJ45 Cat. 5e UTP Connector (100 MHz) See Technical Data Sheet - page 219.	21975

ROCKERS / COVER PLATES		
	Ref.	Color
	50721 T	BR MF PT BM PM PR GR PL CH

ROCKERS / COVER PLATES		
	Ref.	Color
	50751 T	BR MF PT BM PM PR GR PL CH

ROCKERS / COVER PLATES		
	Ref.	Color
	50441 S	BR MF PT BM PM PR GR PL CH
	50442 S	

RJ45 CONNECTORS

	Ref.
 RJ45 Cat. 6 STP Connector (250 MHz) See Technical Data Sheet - page 220.	21988
 RJ45 Cat. 5e STP Connector (100 MHz) See Technical Data Sheet - page 220.	21985

COUPLERS FOR FIBRE OPTIC CONNECTORS

	Ref.
 Coupler for SC APC Duplex Fibre Optic Connector See Technical Data Sheet - page 221.	82211
 Coupler for SC APC Simplex Fibre Optic Connector See Technical Data Sheet - page 221.	82210
 Coupler for LC Duplex Fibre Optic Connector See Technical Data Sheet - page 221.	82213
 Protective Cover for Coupler for SC APC Simplex Fibre Optic Connector	
 Protective Cover for Coupler for SC APC Duplex Fibre Optic Connector	

ROCKERS / COVER PLATES

	Ref.	Color
 Cover Ring with Single support for RJ45 Connectors	50441 S	BR MF PT BM PM PR GR PL CH
 Cover Ring with Double Support for RJ45 Connectors	50442 S	

ROCKERS / COVER PLATES

	Ref.	Color
 Cover Plate for Coupler for SC APC Duplex Fibre Optic Connector	50448 S	BR MF PT BM PM PR GR PL CH
 Cover Plate for Coupler for SC APC Simplex / LC Duplex Fibre Optic Connector	50449 S	BR MF PT BM PM PR GR PL CH
Protective Cover for Coupler for SC APC Simplex Fibre Optic Connector	82970	—
Protective Cover for Coupler for SC APC Duplex Fibre Optic Connector	82971	—

TELEPHONE SOCKETS

	Ref.	Color
50V ~ 70V~  Telephone Socket (4 conductors)	21252 S	BR MF PT CZ AT
 Telephone Socket with Gel (4 conductors)	21255 S	BR MF PT CZ AT

* - For the Cover Plates of the Telephone Socket of the METALIZED finishing, please use the mechanism in the following colors: - **BM** (White Matt) - **BR** (White);
- **PM** (Black Matt) - **PT** (Black);
- **PR** (Silver) - **CZ** (Grey);
- **GR** (Graphite) - **AT** (Anthracite);
- **PL** (Platinum) - **MF** (Ivory);
- **CH** (Champagne) - **MF** (Ivory)

ROCKERS / COVER PLATES

	Ref.	Color
 Cover Plate for Telephone Socket	50712 T *	BR MF PT BM PM PR GR PL CH

8 contacts

 T8 French Telephone Socket	21411	—
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 Cover Plate for T8 French Telephone Socket	50718 T	BR MF PT BM PM PR GR PL CH
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RADIO, TELEVISION AND SATELLITE SOCKETS

	Ref.
STAR CONNECTION  R - TV - SAT Socket Star Connection ■ 4 - 862 MHz: < 2dB. ■ 950 - 2400 MHz: < 3dB. ■ Current flow - 500 mA (DC). See Technical Data Sheet - page 170.	21543
 R - TV Socket Star Connection ■ 4 - 82 MHz: < 1dB. ■ 84 - 108 MHz: < 2dB. ■ 112 - 1000 MHz: < 1dB. See Technical Data Sheet - page 170.	21533

ROCKERS / COVER PLATES

	Ref.	Color
 Cover Plate for R - TV - SAT Sockets	50775 T	BR MF PT BM PM PR GR PL CH
 Cover Plate for R - TV Sockets	50776 T	



RADIO, TELEVISION AND SATELLITE SOCKETS	
	Ref.
SERIAL CONNECTION	
R - TV - SAT Socket (Terminal) ■ 4 - 446 MHz: < 6dB. ■ 470 - 862 MHz: < 9dB. ■ 950 - 2400 MHz: < 6dB. ■ Current flow - 500 mA (DC). See Technical Data Sheet - page 170.	21555
R - TV - SAT Socket (Passage) ■ 4 - 862 MHz: < 10dB. ■ 950 - 2150 MHz: < 11dB. ■ 2150 - 2400 MHz: < 9dB. ■ Current flow - 500 mA (DC). ■ Insertion losses: 3dB. See Technical Data Sheet - page 170.	21565
R - TV Socket (Terminal) ■ 4 - 82 MHz: < 6dB. ■ 84 - 108 MHz: < 8dB. ■ 112 - 1000 MHz: < 7dB. See Technical Data Sheet - page 170.	21554
R - TV Socket (Passage) ■ 4 - 1000 MHz: < 9dB. ■ Insertion losses: 2dB. See Technical Data Sheet - page 170.	21564

MULTIMEDIA SOCKETS	
	Ref.
STAR CONNECTION	
R - TV - SAT - RJ45 Cat. 6 UTP - FO SC-APC Multimedia Socket for Star Connection ■ 4 - 862 MHz: < 2dB. ■ 950 - 2400 MHz: < 3dB. ■ Current flow 500 mA (DC). See Technical Data Sheet - page 170.	21545
R - TV - SAT - RJ45 Cat. 6 UTP Multimedia Socket for Star Connection ■ To be used with a SC APC Simplex or LC Duplex Fibre Optic Connector - page 109. ■ 4 - 862 MHz: < 2dB. ■ 950 - 2400 MHz: < 3dB. ■ Current flow 500 mA (DC). See Technical Data Sheet - page 170.	21544
R - TV - SAT - 2xRJ45 Cat. 6 UTP Multimedia Socket for Star Connection ■ 4 - 862 MHz: < 2dB. ■ 950 - 2400 MHz: < 3dB. ■ Current flow 500 mA (DC). See Technical Data Sheet - page 170.	21546
R - TV - RJ45 Cat. 6 UTP - FO SC-APC Multimedia Socket for Star Connection ■ 4 - 82 MHz: < 1dB. ■ 84 - 108 MHz: < 2dB. ■ 112 - 1000 MHz: < 1dB. See Technical Data Sheet - page 170.	21535
R - TV - RJ45 Cat. 6 UTP Multimedia Socket for Star Connection ■ To be used with a SC APC Simplex or LC Duplex Fibre Optic Connector - page 109. ■ 4 - 82 MHz: < 1dB. ■ 84 - 108 MHz: < 2dB. ■ 112 - 1000 MHz: < 1dB. See Technical Data Sheet - page 170.	21534

ROCKERS / COVER PLATES		
	Ref.	Color
Cover Plate for R - TV - SAT Sockets	50775 T	BR MF PT BM PM PR GR PL CH
Cover Plate for R - TV Sockets	50776 T	BR MF PT BM PM PR GR PL CH

ROCKERS / COVER PLATES		
	Ref.	Color
Cover Plate for R - TV - SAT - RJ45 / R - TV - SAT - RJ45 - FO Multimedia Sockets	50770 T	BR MF PT BM PM PR GR PL CH
Cover Plate for R - TV - SAT - 2xRJ45 Multimedia Socket	50773 T	BR MF PT BM PM PR GR PL CH
Cover Plate for R - TV - RJ45 / R - TV - RJ45 - FO Multimedia Sockets	50774 T	BR MF PT BM PM PR GR PL CH

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ENERGY SOCKETS		Ref.
	Earth Socket (Schuko Type) with Screwless Terminals 16A - 250V~	21130
	Earth Socket (Schuko Type) 16A - 250V~	21131
	Single Phase Socket 16A - 250V~	21121
	Earth Socket (French Type) with Screwless Terminals 16A - 250V~	21110
	Earth Socket (French Type) 16A - 250V~	21111
	Earth Socket (Euro-USA Type) 15A - 127V~ / 16A - 250V~	21140
	Earth Socket (USA NEMA Type) 15A - 127V~ ■ SASO 2204 ■ NEMA 5-15	21143
	Safety Earth Socket (British Type) 13A - 250V~	21185
	Double USB Charger Type A with Output at 20° ■ Voltage: 100-240 V~. ■ Frequency: 50-60 Hz. ■ Output voltage: 5V~. ■ Output current: 2.4A. ■ Two USB type A outlets. See Technical Data Sheet - page 167.	21384

ROCKERS / COVER PLATES		Ref.	Color
	Safety Cover Plate for Earth Socket (Schuko Type)	50632 T	BR MF PT 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 PT BM PM PR GR PL CH VM VD
	Monoblock Cover for Safety Earth Socket (Schuko Type)	50903 T	BR MF PT BM PM PR GR PL CH
	Monoblock Cover for Earth Socket (Schuko Type)	50902 T	BR MF PT 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 PT BM PM PR GR PL CH
	Monoblock Cover for Single Phase Socket	50901 T	
	Safety Cover Plate for Earth Socket (French Type)	50652 T	BR MF PT BM PM PR GR PL CH LR VD VM
	Cover Plate for French Socket with Safety and Hinged Lid (IP44)	50654 T	BR MF PT BM PM PR GR PL CH VM VD
	Safety Cover Plate for Earth Socket (Euro-USA Type)	50842 T	BR MF PT BM PM PR GR PL CH LR VD VM
	Cover Plate for Earth Socket (Euro-USA Type)	50841 T	
	Safety Cover Plate for Earth Socket (USA NEMA Type)	50843 T	BR MF PT BM PM PR GR PL CH LR VD VM
	Cover Plate for Safety Earth Socket (British Type)	50642 T	BR MF PT BM PM PR GR PL CH
	Cover Plate for Double USB Charger Type A with outlets at 20°	50673 T	BR MF PT BM PM PR GR PL CH



ENERGY SOCKETS (SEMI-ASSEMBLED)			Ref.	Color
	Safety Earth Socket (Schuko Type) with Screwless Terminals 16A - 250V~	IP44	50133 W	BR MF PT BM PM PR GR PL CH LR VD VM
	Earth Socket (Schuko Type) with Screwless Terminals 16A - 250V~		50130 W	
	Schuko Socket with Screwless Terminals Safety and Hinged Lid 16A - 250V~		50496 W	

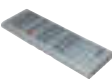
APOLO 5000

OTHER MECHANISMS		Ref.
	Cable Outlet - Three Terminals ■ 3x2,5mm ² - 250V~.	21173
	Cable Outlet - Four Terminals ■ 4x2,5mm ² - 250V~.	21174
	Pilot Light ■ Max. 5W (E14) 250V~. ■ To be used with Lamp (Ref. 81012) - page 138. ■ To be used with Lamp (Ref. 81013) - page 138.	21360
	Loudspeaker Screw Terminal Socket	21220
	Support for Blind Cover Plate	21222
	Buzzer 230V~ - 50Hz ■ D type. ■ 5/15 sec..	21990

ROCKERS / COVER PLATES			Ref.	Color
	Cover Plate for Cable Outlets	IP44	50671 T	BR MF PT BM PM PR GR PL CH
	Cover for Pilot Light		50781 T	IC LR VD VM
	Cover Plate for Screw Terminal Loudspeaker Socket		50713 T	BR MF PT BM PM PR GR PL CH
	Blind Cover Plate		50677 T	BR MF PT BM PM PR GR PL CH
	Cover Plate for Loudspeaker of 2'' - 32 Ohm / Buzzer		50710 T	BR MF PT BM PM PR GR PL CH

ACCESSORIES			Ref.	Color
	IP44 Kit for MEC 21 Mechanisms - Single Rocker	IP44	21981	—
	IP44 Kit for MEC 21 Mechanisms - Double Rockers	IP44	21982	—
	Cover for Mechanisms Protection		21971	—
	Level and Mounting Accessory for MEC 21 Mechanisms		21989	—
	Card for Card-system Switch		21999	—

ACCESSORIES

		Ref.	Color
	Cover Plate for R - TV Socket Multibrand 2 Outputs ■ 30mm between hole centres. See Technical Data Sheet - page 151.	50685 T	BR MF PT BM PM PR GR PL CH
	Cover Plate for R - TV Socket Multibrand 2 Outputs ■ 30mm between hole centres. See Technical Data Sheet - page 151.	50686 T	BR MF PT BM PM PR GR PL CH
	Cover Plate for R - TV Socket Multibrand 3 Outputs ■ 30mm between R-TV hole centres. See Technical Data Sheet - page 151.	50680 T	BR MF PT BM PM PR GR PL CH
	Universal Cover Ring / Adapter for 45x45 Modules	50881 T	BR MF PT BM PM PR GR PL CH
	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
	APOLO 5000 Series Surface Mounting Box	10981 A	BR MF
	Replacement LED for MEC 21 / 48 Series - 250V~	81019	—
	Replacement LED for MEC 21 / 48 Series - 12V	81018	—
	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. 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 centralized command of the installation, connect remotely to a Venetian Double Push-button (Ref. 21283 / 45283 S). 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. ■ Works with CR 2032 batteries, not included.	81900	—

COMPLETE DEVICES

		Ref.	Color
	Venetian Switch 10A - 250V~ ■ Switch function. ■ Electrical and mechanical blockade against two occasional simultaneous orders. ■ Toggles automatically one rocker when the other is pressed.	50290 C	BR MF
	Venetian Double Push-button 10A - 250V~ ■ Push-button function. ■ Electrical blockade against two occasional simultaneous orders.	50281 C	BR MF
	Ferromagnetic Dimmer/Two-way Switch - 500VA R, L ■ 20-500W/VA.	50211 C	BR MF PT BM PM PR GR PL CH
	Electronic Dimmer/Two-way Switch - 320W R, C ■ 5-320W/VA. ■ Silent.	50212 C	
	Monoblock Safety Earth Socket (Schuko Type) with Screwless Terminals 16A - 250V~	50139 C	BR MF PT BM PM PR GR PL CH



COMPLETE DEVICES

		Ref.	Color
	Monoblock Safety Earth Socket (Schuko Type) 16A - 250V~	50138 C	BR MF PT BM PM PR GR PL CH
	Monoblock Earth Socket (Schuko Type) 16A - 250V~	50135 C	
	Monoblock Double Safety Earth Socket (Schuko Type) 16A - 250V~	50332 C	BR MF PT BM PM PR GR PL CH
	Monoblock Double Earth Socket (Schuko Type) 16A - 250V~	50331 C	
	Monoblock Double Safety Single Phase Socket 16A - 250V~	50322 C	BR MF PT BM PM PR GR PL CH
	Monoblock Double Single Phase Socket 16A - 250V~	50321 C	
	Earth Socket (British Type) 13A - 250V~	50184 C	BR MF PT BM PM PR GR PL CH
	Earth Socket (British Type) with Switch and Pilot Lamp 13A - 250V~	50183 C	
	Double Earth Socket (British Type) 13A - 250V~	50344 C	BR MF PT BM PM PR GR PL CH
	Double Earth Socket (British Type) with Switch and Pilot Lamp 13A - 250V~	50343 C	

FRAMES

		Single Frame 50910 T	Double Horizontal Frame 50921 T	Double Vertical Frame 50922 T	Triple Horizontal Frame 50931 T	Triple Vertical Frame 50932 T	Four-Gang Horizontal Frame 50941 T	Four-Gang Vertical Frame 50942 T	Waterproof Frame 50961 T IP44
		Color	Color	Color	Color	Color	Color	Color	Color
STANDARD		BR MF PT	BR MF PT	BR MF PT	BR MF PT	BR MF PT	BR MF PT	BR MF PT	BR MF PT
MATE		BM PM	BM PM	BM PM	BM PM	BM PM	BM PM	BM PM	BM PM
METALIZED		PR GR PL CH	PR GR PL CH	PR GR PL CH	PR GR PL CH	PR GR PL CH	PR GR PL CH	PR GR PL CH	PR GR PL CH

■ C - Complete Device; T - Rocker, Cover Plate or Frame.

■ BR - White; MF - Ivory; PT - Black; BM - White Matt; PM - Black Matt; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne.

■ See Frame Dimensions - page 149.

DESCRIPTION



- MEC 21 Mechanisms:
 - Finishings - LOGUS^{SD} | 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 (holidays).

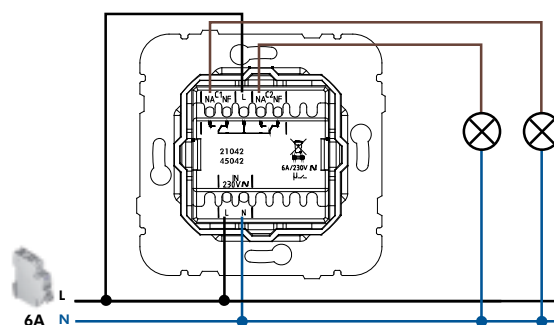
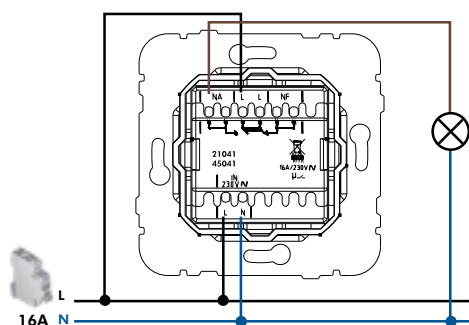
OPERATION

- 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



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**).

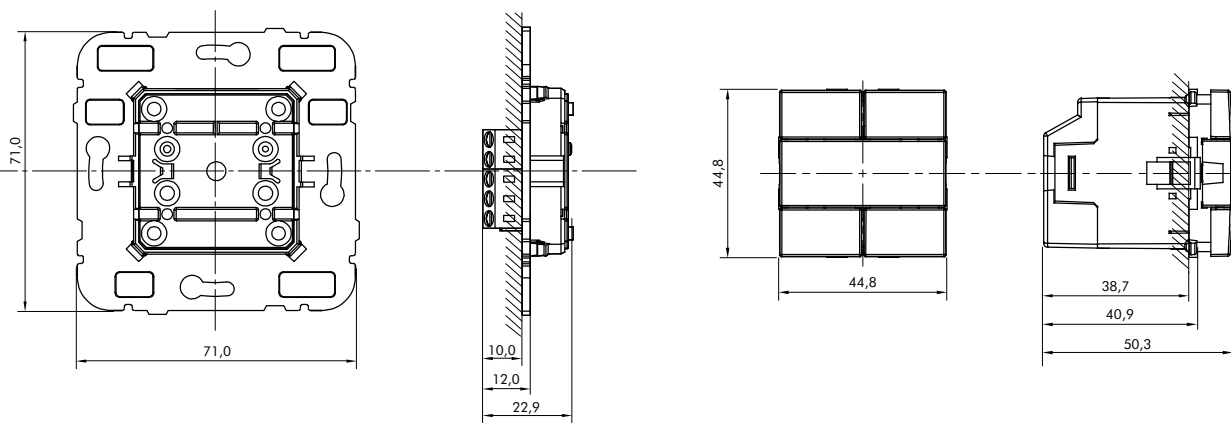
OPERATION

- Press each of the rockers to close the circuit.

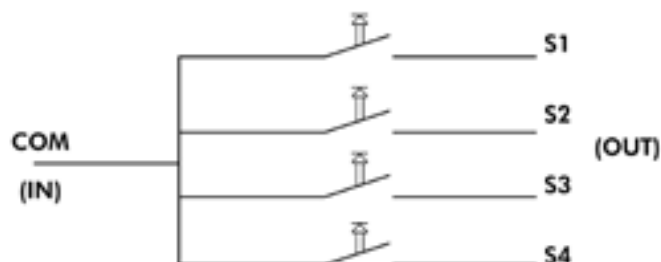
CHARACTERISTICS

- Maximum power dissipation: 60mW (DC 12V 50mA).
- Maximum voltage: 32V.
- Insulation resistance: $\geq 100\text{M}\Omega$.
- Dielectric strength: AC 250V~ 50Hz/1min.
- Operating temperature: -25°C to +70°C.
- Maximum relative humidity: (40°C) $\leq 95\%$.
- Contact resistance: $\leq 40\text{m}\Omega$.
- Outputs: 4NO.

DIMENSIONS (mm)



CIRCUIT DIAGRAM



DESCRIPTION



PROGRAMMABLE CHRONOTHERMOSTAT

- MEC 21 Mechanisms:
 - Finishings - LOGUS⁹⁰ | APOLO 5000 | **sirius70**.
- Semi-assembled devices - **QUADRO 45**:
 - Finishings - **QUADRO 45** | **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 (holidays).
- Battery back up: 24 hours.



THERMOSTAT WITH INFRARED REMOTE CONTROL

- MEC 21 Mechanisms:
 - Finishings - LOGUS⁹⁰ | APOLO 5000 | **sirius70**.
- Semi-assembled devices - **QUADRO 45**:
 - Finishings - **QUADRO 45** | **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).

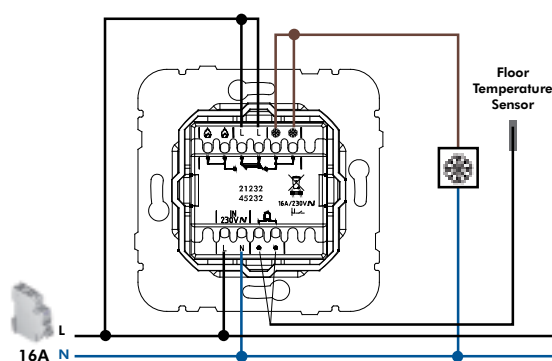
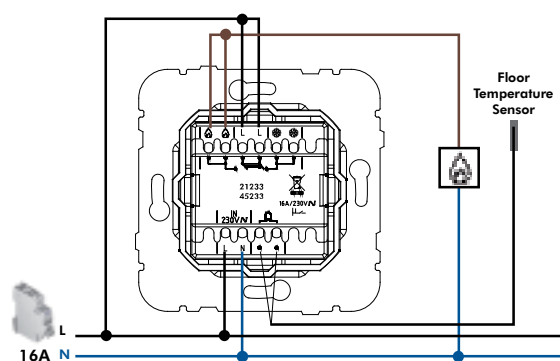
OPERATION

- 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)



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

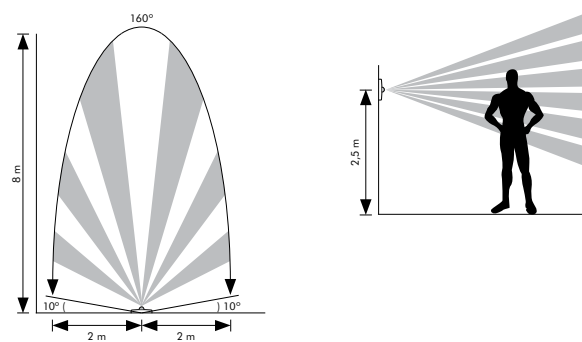
- Remove the cover of the mechanism to reach the adjustment potentiometers.
- Proceed to make the necessary adjustments.

Operating Time Regulation



Sensibility Regulation

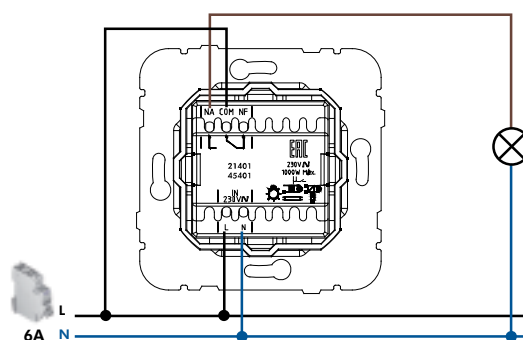
Range of Detection and Detection Angle



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



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

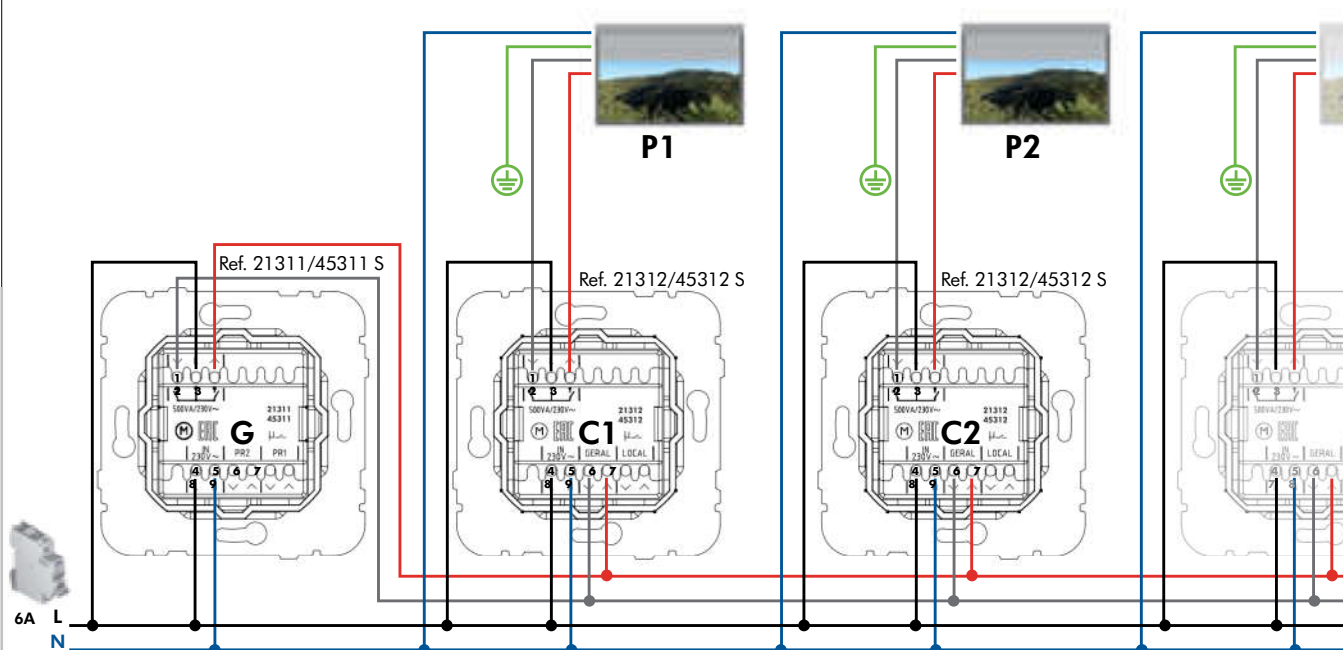
- Press the buttons to open/close the blinds.
- Allows to programme two operations for each 24 hours (only in the General Blinds Control Module).

CHARACTERISTICS

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

WIRING DIAGRAM

■ BLINDS CENTRALIZED INSTALLATION - WITH BLINDS CONTROL MODULES



GENERAL BLINDS CONTROL (G)

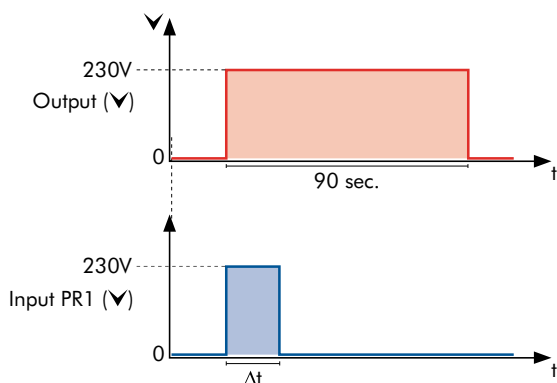
1. General Output - Down
2. Blinds Power Supply (line)
3. General Output - Up
4. Power Supply (line)
5. Power Supply (neutral)
6. Signal input priority 2 (230V~) - Down
7. Signal input priority 2 (230V~) - Up
8. Signal input priority 1 (230V~) - Down
9. Signal input priority 1 (230V~) - Up

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

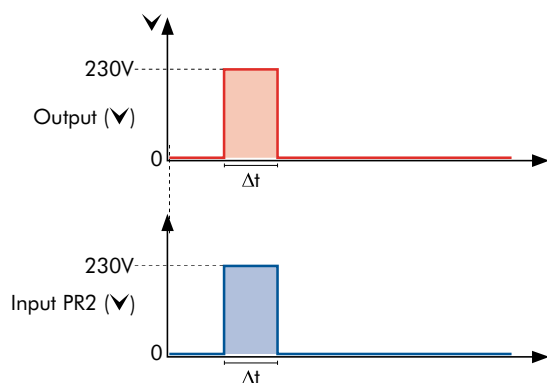
1. Output for Motor - Down
2. Blinds Power Supply (line)
3. Output for Motor - Up
4. Power Supply (line)
5. Power Supply (neutral)
6. Signal input from General Blinds Control - Down
7. Signal input from General Blinds Control - Up
8. Signal input from the Local Blinds Control - Down
9. Signal input from the Local Blinds Control - Up

OPERATION INPUTS (EXAMPLE DOWN ▼)

INPUT PR1



INPUT PR2



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

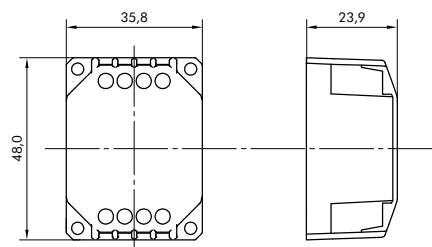
REF. 81512

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

REF. 81511

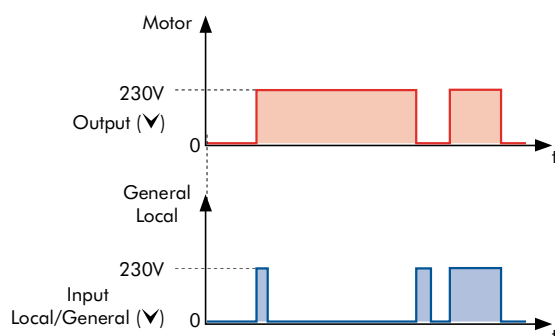
- 230V~ - 50Hz - 6A (1380W, $\cos\phi=1$).
- Consumption: < 1W.
- Protection against two simultaneous orders - Electrical blockage is guaranteed by the association of the Relay (Ref. 81511) with the Venetian Double Push-button for Multiple Points Blinds Control (Ref. 21283 / 45283 S).

DIMENSIONS (mm)

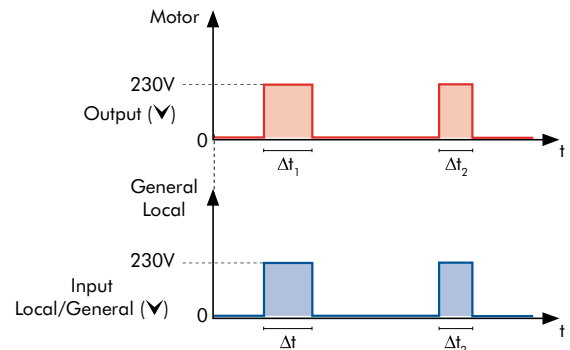


OPERATION INPUTS (EXAMPLE DOWN ∇)

REF. 81512

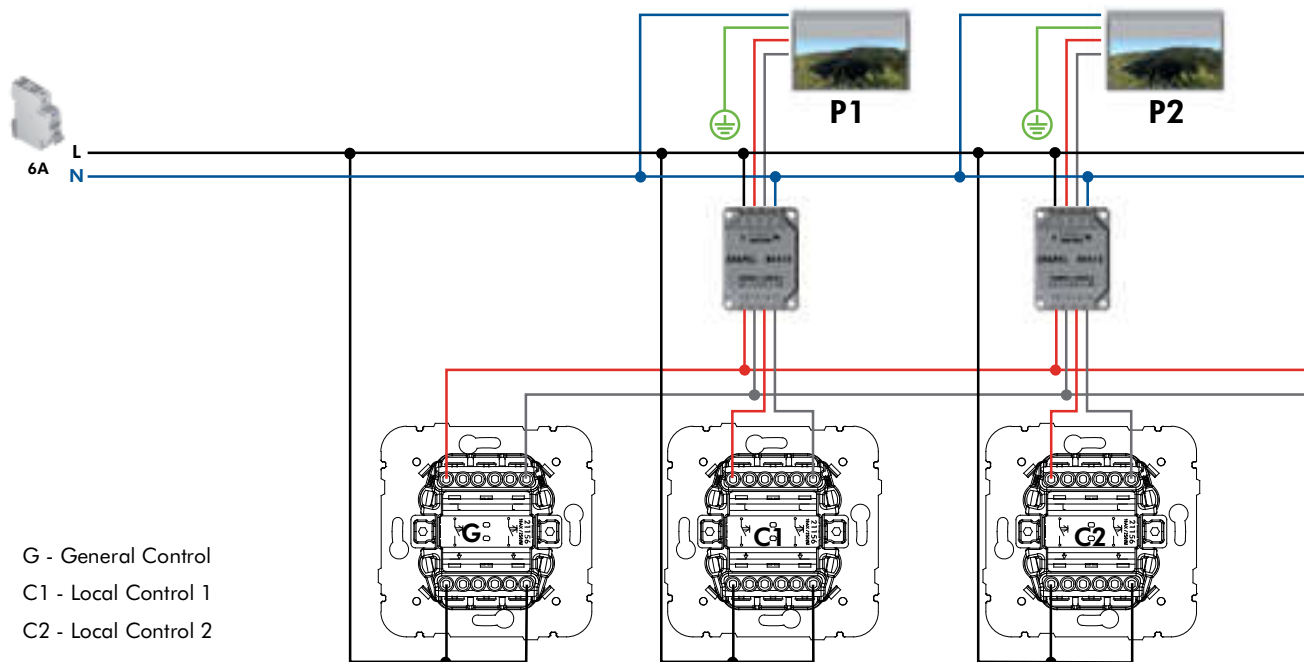


REF. 81511



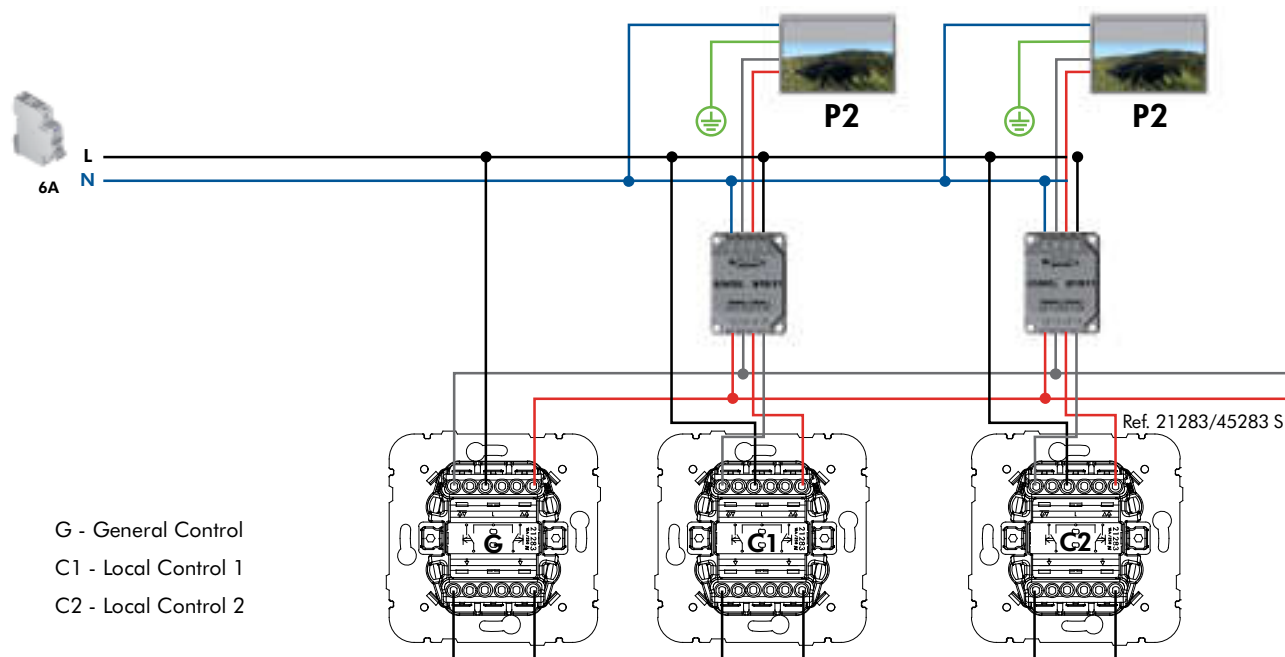
WIRING DIAGRAMS

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



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)

**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

DESCRIPTION



■ MEC 21 Mechanisms:

– Finishings - LOGUS⁵⁰ | APOLO 5000 | sirius70.

■ Allows to adjust the luminous flux of one or more lamps.

OPERATION

- Rotary variation of luminous flux.
- Press button for ON / OFF switching status.

CHARACTERISTICS

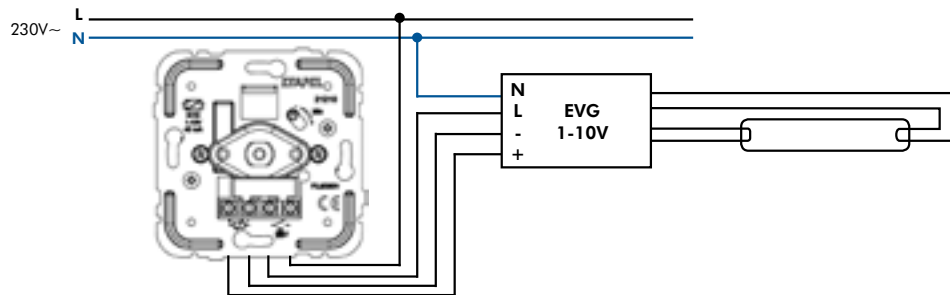
■ Maximum Recommended Loads

										
REF.	TYPE	FUSE	MIN.	MAX.	MAX.	MAX.	MAX.	MAX.	MAX.	MAX.
21210	—	F0,8A/250V~	—	—	—	—	—	—	40mA	—
21211	 Phase-cut dimming in the Forward phase "Leading Edge"	T2A/250V~	20W/VA	500W	500W	500VA	—	—	—	—
21212	 Phase-cut dimming in the Reserve phase "Trailing Edge"	—	5W/VA	320W	320W	—	320VA	—	—	—
21213	 Phase-cut dimming in the Reserve phase "Trailing Edge"	—	20W/VA	550W	550W	—	550VA	—	—	—
21214	 Phase-cut dimming in the forward phase "Leading Edge"	T1A/250V~	7W/VA 3W (LED)	110W	110W	110VA	—	110W	35W	—
21215	 Phase-cut dimming in the Reserve phase "Trailing Edge"	—	15W/VA 3W (LED)	150W	150W	—	150VA	150W	50W	—
21216	 Phase-cut dimming in the forward phase "Leading Edge"	T2A/250V~	20W/VA 3W (LED)	250W	250W	250VA	—	250W	85W	—
21217	 Phase-cut dimming in the Reserve phase "Trailing Edge"	—	15W/VA 5W (LED)	450W	450W	—	450VA	450W	150W	—
21219	 Phase-cut dimming in the forward phase "Leading Edge"	F2,5A/250V~	25W/VA	600W	600W	—	—	—	—	600VA

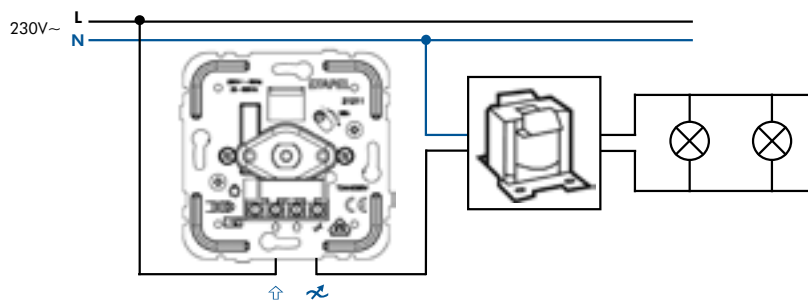
Note: Maximum number of recommended lamps for each circuit = 8 Lamps.

WIRING DIAGRAMS

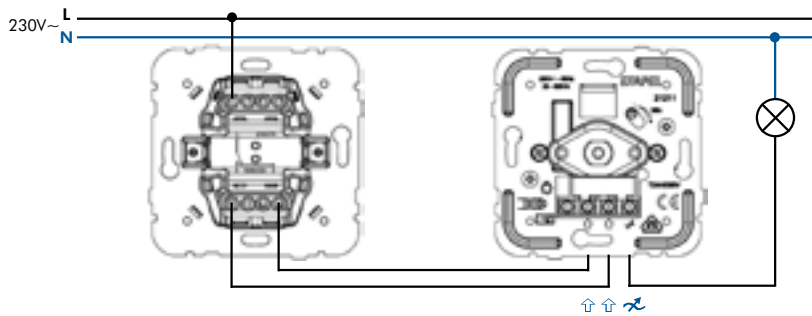
■ REF. 21210 (EVG 1-10V)



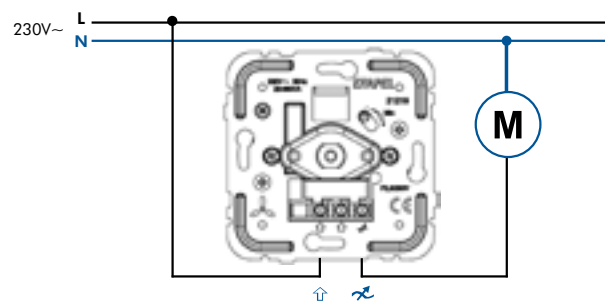
■ REF. 21211 / 21212 / 21213 / 21214 / 21215 / 21216 / 21217



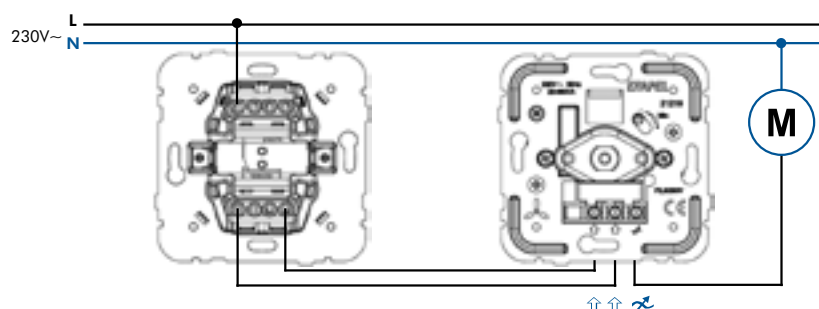
■ REF. 21211 / 21212 / 21213 / 21214 / 21215 / 21216 / 21217



■ REF. 21219



■ REF. 21219



BUZZER (REF. 21990)

DESCRIPTION



■ MEC 21 Mechanisms:

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

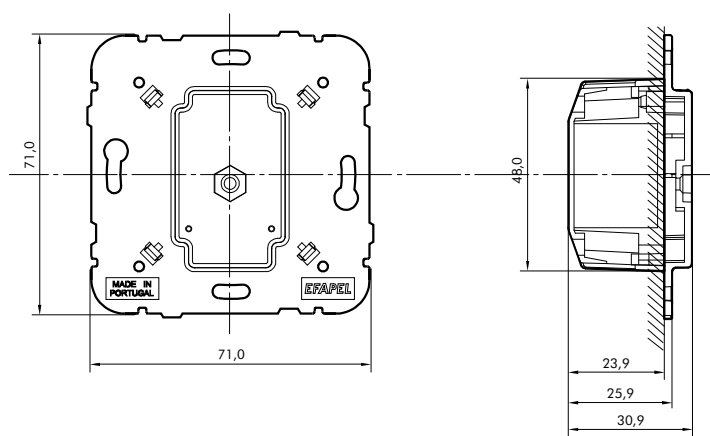
OPERATION

- Produces a sound signal when powered.

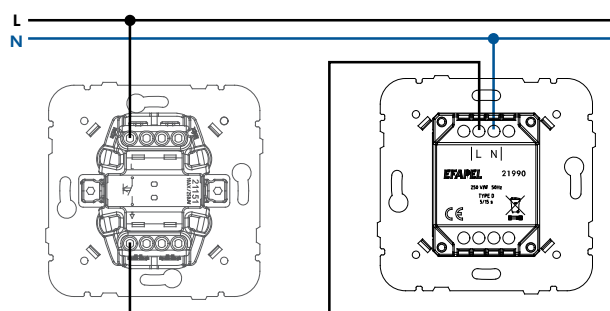
CHARACTERISTICS

- Voltage: 230V~ - 50Hz.
- Frequency: 50Hz.
- Type: D (Type D beep).
- Cycle of operation: 5/15 seconds.

DIMENSIONS (mm)



WIRING DIAGRAM



DESCRIPTION

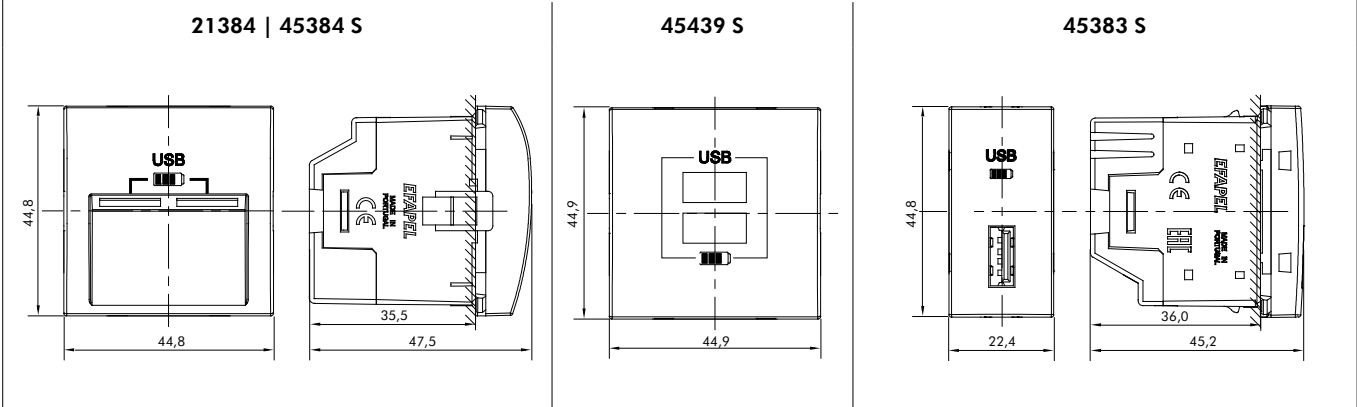


- 21384 | 45384 S - USB Charger 2 saídas 20° tipo A - 2400mA.
- 45439 S - USB Charger 2 tipo A - 2100mA.
- 45383 S - USB Charger 2 tipo A - 1500mA.
- Enables the feeding/charging of devices through the USB outlet, such as mobile phones/ Smartphones, tablets, Powerbanks, MP3, MP4 etc.
- Semi-assembled devices - **QUADRO 45**:
 - Finishings - **QUADRO 45** | **QUADRO 45** - *Siza Vieira*.
- MEC 21 Mechanisms:
 - Compatible with finishes - **LOGUS⁹⁰** | APOLO 5000 | **sirius70**.
- Available in colors **BR** - White, **MF** - Ivory, **AT** - Anthracite, **GE** - Ice, **PE** - Pearl, **AL** - Aluminium, **IS** - Gray, **BM** - White Matt; **PM** - Black Matt, **DU** - Golden, **CH** - Champagne, **PR** - Silver, **GR** - Graphite, **PL** - Platinum.

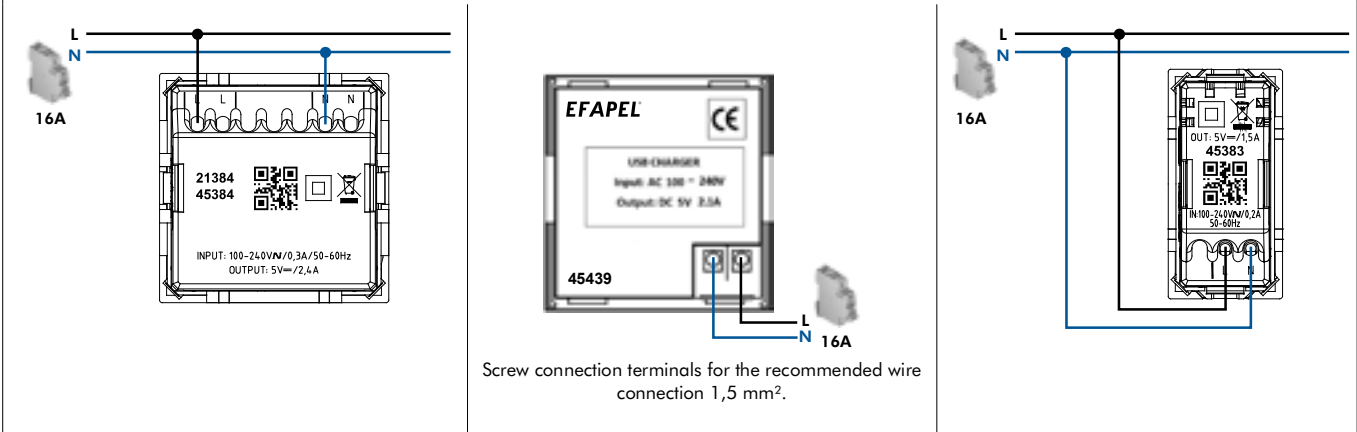
CHARACTERISTICS

	21384 45384 S	45439 S	45383 S
Mechanisms in technical thermoplastic - resistant material, non-conductive.			
Input voltage	100-240V~ - 50/60Hz	100-240V~ - 50/60Hz	100-240V~ - 50/60Hz
Output voltage	5V---	5V---	5V---
Input maximum current	2,4A	2,1A	1,5A
Efficiency	80%	78%	80%
Standby consumption	<0,1W	< 0,2W	<0,1W
Output	2xUSB type A	2xUSB type A	1xUSB type A

DIMENSIONS (mm)



WIRING DIAGRAMS



HDMI SOCKET (REF. 45435 S | 45436 S)

DESCRIPTION

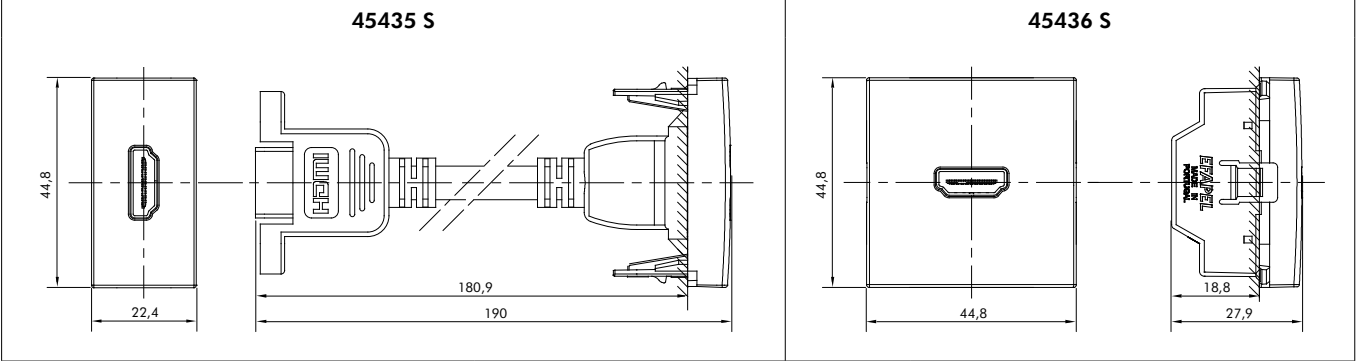


- 45435 S - HDMI Socket with Connector - 1 Module.
- 45436 S - HDMI Socket with Screwless Connect - 2 Modules.
- Enables the passage of Audio/Visual in high definition through the HDMI connector, between any transmitter (computer, DVD, ...) with a HDMI connection and a terminal (TV, LCD, Video projector,...).
- Semi-assembled devices - **QUADRO 45**:
 - Finishings - **QUADRO 45** | **QUADRO 45** - *Siza Vieira*.
- MEC 21 Mechanisms:
 - Compatible with finishes - **LOGUS⁹⁰** | **APOLLO 5000** | **sirius70**, with the adapter for each of the series (XX881 T).
- Available in colors **BR** - White, **MF** - Ivory, **AT** - Anthracite, **GE** - Ice, **PE** - Pearl, **AL** - Aluminium, **IS** - Gray, **BM** - White Matt; **PM** - Black Matt, **DU** - Golden, **CH** - Champagne, **PR** - Silver, **GR** - Graphite, **PL** - Platinum.

CHARACTERISTICS

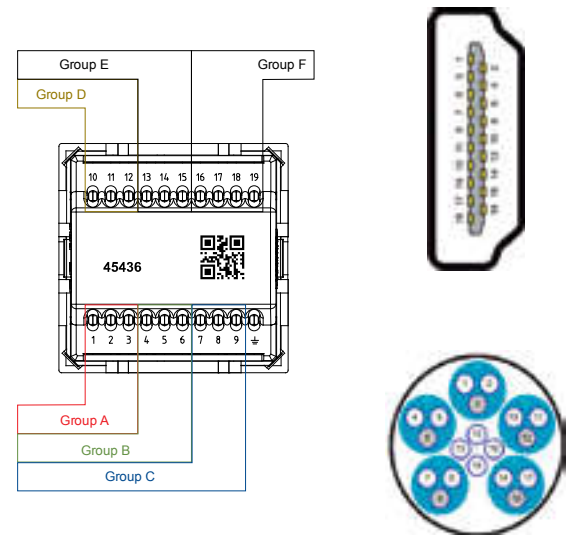
	45435 S	45436 S
Mechanisms in technical thermoplastic - resistant material, non-conductive.		
Connection	Throught cable cord (female connector)	Screw
Distance between HDMI sockets	10 meters	5 meters
Maximum resolution	1080p	1080p
Connectors	Type 1,4 E Version	Tipo 1,4 E Version

DIMENSIONS (mm)



WIRING DIAGRAMS

45436 S



Pino		Color	Group
Pino 1	TMD5 Data2+	White	Group A / Red Group
Pino 2	TMD5 Data2 Data Shield	Mesh	
Pino 3	TMD5 Data2-	Red	
Pino 4	TMD5 Data1 +	White	Group B / Green Group
Pino 5	TMD5 Data1 Data Shield	Mesh	
Pino 6	TMD5 Data1-	Green	Group C / Blue Group
Pino 7	TMD5 Data0+	White	
Pino 8	TMD5 Data0 Data Shield	Mesh	
Pino 9	TMD5 Data0-	Blue	Group D / Brown Group
Pino 10	TMD5 Clock+	White	
Pino 11	TMD5 Clock Data Shield	Mesh	
Pino 12	TMD5 Clock-	Brown	Group E / Cables without group
Pino 13	CEC	Red	
Pino 14	Reserve, HEC Data - (Optional, 1.4+ with canal Ethernet)	Roxo	
Pino 15	SCL (DDC)	Orange	Group F / Remaining Cables without Group
Pino 16	SDA (DDC)	Yellow	
Pino 17	DDC/CEC Ground	Green	
Pino 18	+5V Power	White	
Pino 19	Hot Plug Detect, HEC Data + (Optional, 1.4+ with canal Ethernet)	Blue	

DESCRIPTION

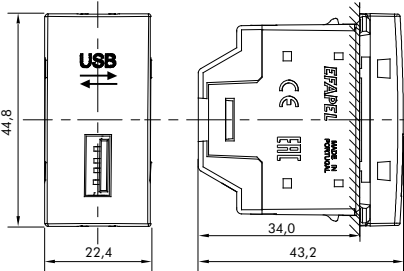


- 45437 S - USB Data Socket – 1 Module. Enables data passage through USB connection.
- 45430 S - Female HD15 Socket - 2 Modules. Enables the passage of video through a VGA connector between any transmitter (computer, DVD, ...) with a VGA connection and a terminal (TV, LCD, Videoprojetor, ...).
- 45580 S - Female RCA Socket 3 Outputs - 1 Module. Enables the passage of video through a RCA connector between any transmitter (computer, DVD,...) with a RCA connection and a terminal (TV, LCD, Video projector,...).
- Semi-assembled devices - **QUADRO 45**:
 - Finishings - **QUADRO 45** | **QUADRO 45** - *Siza Vieira*.
- MEC 21 Mechanisms:
 - Compatible with finishes - **LOGUS⁹⁰** | **APOLLO 5000** | **sirius70**, with the adapter for each of the series (XX881 T).
- Available in colors **BR** - White, **MF** - Ivory, **AT** - Anthracite, **GE** - Ice, **PE** - Pearl, **AL** - Aluminium, **IS** - Gray, **BM** - White Matt; **PM** - Black Matt, **DU** - Golden, **CH** - Champagne, **PR** - Silver, **GR** - Graphite, **PL** - Platinum.

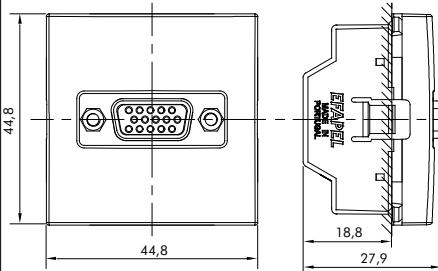
CHARACTERISTICS	45437 S	45430 S	45580 S
Mechanisms in technical thermoplastic - resistant material, non-conductive.			
Connection	Screw	Screw	Screw
Distance between sockets	5 meters	15 meters	20 meters
Maximum speed	12 Mbit/s	not apply	not apply

DIMENSIONS (mm)

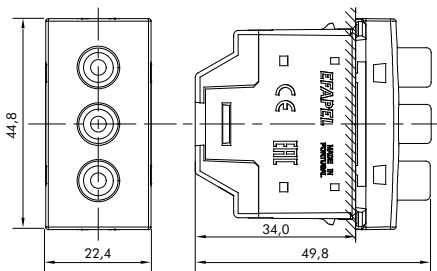
45437 S



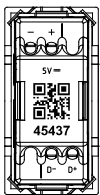
45430 S



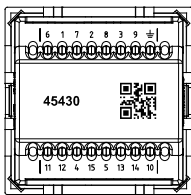
45580 S



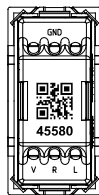
WIRING DIAGRAMS



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 (VERTICAL SYNCHRONIZATION)
15	BLACK (ID BIT 3 - SCL)
16	SHIELD (GROUND)



Pino	
V	VIDEO CABLE
R	RIGHT AUDIO SIGNALS
L	LEFT AUDIO SIGNALS
GND	GROUND

MULTIMEDIA SOCKETS | RADIO, TELEVISION AND SATELLITE SOCKETS

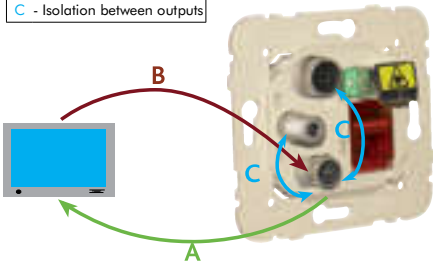
DESCRIPTION



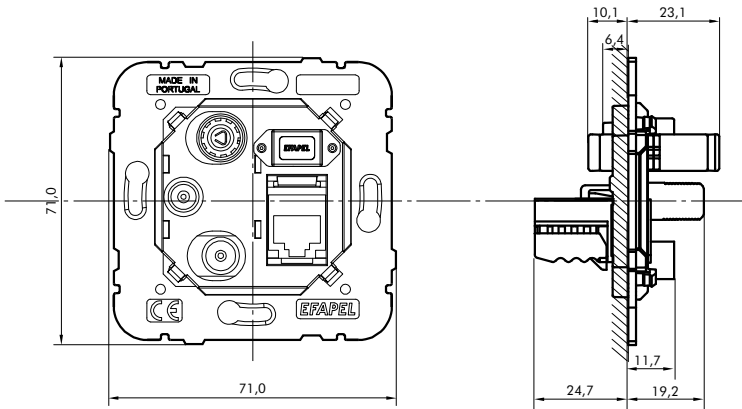
- MEC 21 Mechanisms (Multimedia Sockets | Radio, Television and Satellite Sockets):
 - Finishings - LOGUS^{SD} | APOLO 5000 | **sirius70**.
- Semi-assembled devices - **QUADRO 45**: (Radio, Television and Satellite Sockets):
 - Finishings - **QUADRO 45** | **QUADRO 45** - *Siza Vieira*.

CHARACTERISTICS

- A - Derivation attenuation
- B - Return Losses
- C - Isolation between outputs



DIMENSIONS (mm)



SOCKETS TYPE

TYPOLOGY		REF.	RADIO	TV	SAT	FO SC-APC	RJ45 Cat. 6
STAR CONNECTION		21543					
		21544					
		21545					
		21546					
		21533					
		21534					
SERIES CONNECTION		21554					
		21555					
		21564					
		21565					

■ R - TV - SAT SOCKETS (IMPEDANCE OF 75 Ohm)

LINEAL	OUTPUTS		DERIVATION LOSSES (dB)										INSERTION LOSSES dB	INSULATION BETWEEN OUTPUTS dB	RETURN LOSSES dB	DC CURRENT PASSAGE mA (DC)
	CONNECTOR/ OUTPUTS		RETURN	BI	SUB BAND	FM	S. LOW	BIII /DAB	S. HIGH HYPER	UHF	SAT					
REF.			4-47 MHz	47-68 MHz	68-80 MHz	84-108 MHz	112-174 MHz	174-230 MHz	230-446 MHz	470-862 MHz	950-2150 MHz	2150-2400 MHz				
STAR 21543 21544 21545 21546 45543 S NQ 2b	IEC MALE	TV	0,8	1,0	0,8	0,8	0,8	0,8	0,8	2,0	--	--	--	>20	>18	--
	IEC FEMALE	R	17,4	17,4	17,4	17,4	17,4	17,4	17,4	17,4	--	--				--
	F FEMALE	SAT	--	--	--	--	--	--	--	--	2,2	2,6				(SAT-IN) 500mA
TERMINAL 21555 45555 S NQ 2b	IEC MALE	TV	6,2 ^{±1}	6,2 ^{±1}	6,2 ^{±1}	6,2 ^{±1}	6,0 ^{±1}	6,2 ^{±1}	5,8 ^{±1}	8,6 ^{±1}	--	--	--	>12	>18	--
	IEC MALE	R	15	15	15	15	15	15	15	15	--	--				--
	F FEMALE	SAT	--	--	--	--	--	--	--	--	5,6 ^{±1}	6,4 ^{±1}				(SAT-IN) 500mA
PASSAGE 21565 45565 S NQ 2b	IEC MALE	TV	10,0 ^{±1}	10,0 ^{±1}	10,0 ^{±1}	10,0 ^{±1}	9,6 ^{±1}	10,0 ^{±1}	10,0 ^{±1}	10,0 ^{±1}	--	--	<3,6	>12	>18	--
	IEC FEMALE	R	20,0 ^{±1}	20,0 ^{±1}	20,0 ^{±1}	20,0 ^{±1}	20,0 ^{±1}	20,0 ^{±1}	20,0 ^{±1}	20,0 ^{±1}	--	--				--
	F FEMALE	SAT	--	--	--	--	--	--	--	--	11,0 ^{±1}	8,6 ^{±1}				(SAT-IN) 500mA

■ R - TV SOCKETS (IMPEDANCE OF 75 Ohm)

EQUALIZED	OUTPUTS		DERIVATION LOSSES (dB)										INSERTION LOSSES dB	INSULATION BETWEEN OUTPUTS dB	RETURN LOSSES dB
	CONNECTOR/ OUTPUTS		RETURN	BI	SUB BAND	FM	S. LOW	BIII /DAB	S. HIGH HYPER	UHF	SAT				
			4-47 MHz	47-68 MHz	68-80 MHz	84-108 MHz	112-174 MHz	174-230 MHz	230-446 MHz	470-862 MHz	950-2150 MHz	2150-2400 MHz			
REF.															
STAR 21533 21534 21535 45533 S NQ 2a	IEC MALE	TV 	0,2	0,4	0,4	--	1,0	1,0	0,4	0,8	--	--	--	>20	--
	IEC FEMALE	R 	--	--	--	2,0±0,3	--	--	--	--	--	--			
TERMINAL 21554 45554 S NQ 2a	IEC MALE	TV 	5,8±1	6,0±1	6,0±1	--	6,0±1	6,0±1	6,0±1	6,4±1	--	--	--	>20	>18
	IEC FEMALE	R 	--	--	--	8,2±1	--	--	--	--	--	--			
PASSAGE 21564 45564 S NQ 2a	IEC MALE	TV 	8,2±1	8,2±1	8,2±1	--	8,0±1	7,4±1	7,4±1	8,4±1	--	--	1,6±0,5	>20	>18
	IEC FEMALE	R 	--	--	--	8,8±1	--	--	--	--	--	--			