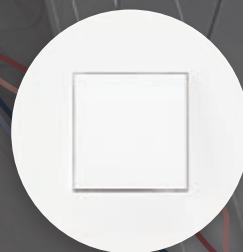


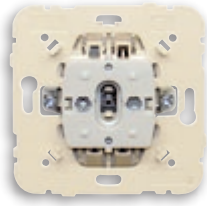
EFAPEL®



mec 21
MEC Q45

NEW
FUNCTIONALITIES

mec 21 | NEW
FUNCTIONALITIES



mec 21



LOGUS⁹⁰

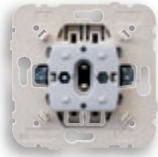


APOLO 5000



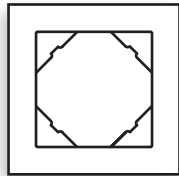
sirius70

MECHANISM



+

COVER PLATE



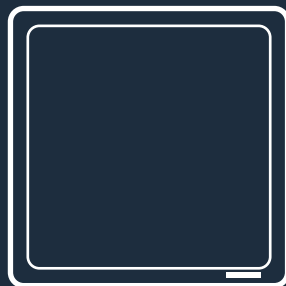
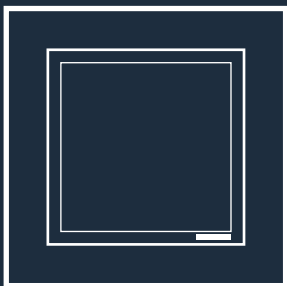
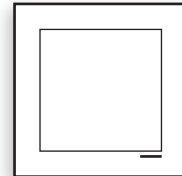
+

ROCKER



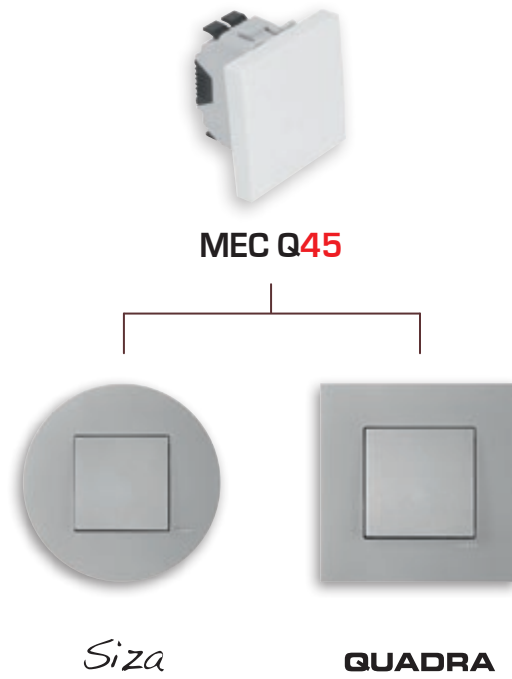
=

COMPLETE PRODUCT



“ **UNIQUE MECHANISM**, a diverse design, for a varied selection of finishings and colors. ”

MEC Q45 | NEW
FUNCTIONALITIES

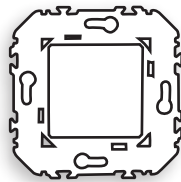


SEMI-ASSEMBLED DEVICES



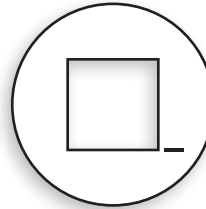
+

SUPPORT FRAME
(REF: 45993)



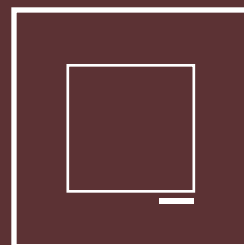
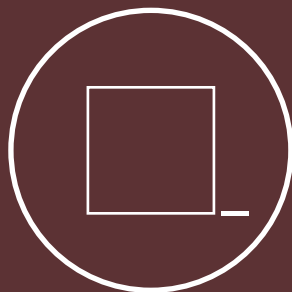
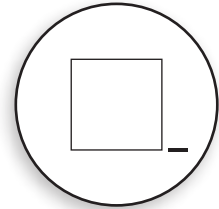
+

COVER PLATE



=

COMPLETE PRODUCT



“SEMI-ASSEMBLED DEVICES, facilitates assembly and simplifies the choice.”

mec 21

CONTROL
DEVICES

MOTION
DETECTORS



DIMMERS



MEC Q45

CONTROL
DEVICES

MOTION
DETECTORS



DIMMERS



ORIENTATION AND
LIGHT INDICATORS

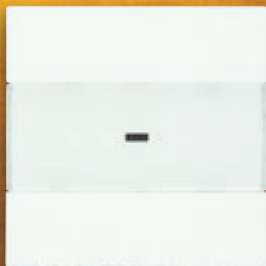


TABLE OF CONTENTS

















PAGE






■ **mec 21** MECHANISMS











- Control Devices	6
- Temperature Control	6
- Motion Detectors	7
- Dimmers	8
- Orientation and Light Indicators	8





■ **MEC Q45** MECHANISMS




- Control Devices	9
- Electric Shutters Controllers	9
- Temperature Control	10
- Motion Detectors	10
- Dimmers	11
- Orientation and Light Indicators	11
- Other Mechanisms	11

CONTROL DEVICES		COVER PLATES / ROCKERS			
	Ref.		Ref.	Color	
 <p>Timer Switch ECO</p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 16A (3680W, cosφ = 1); ■ Operating time regulation: 5 sec. to 15 minutes; ■ Compatible with any kind of load (inverter contact, NO or NC, voltage free); ■ Possibility of external control inputs (rocker buttons - NO). 	21040		90745 T	BR MF GE PE AL IS PM DU	
				50745 T	BR MF PT BM PM PR GR PL CH
				70745 T	BR MF AT
 <p>Card-System Timer Switch ECO</p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 16A (3680W, cosφ = 1); ■ For keycard - ATM card type (ref. 21999) – card in vertical or horizontal position; ■ Operating time regulation: 0 sec. to 60 sec.; ■ Compatible with any kind of load (inverter contact, NO or NC, voltage free). 	21033		90733 T	BR MF GE PE AL IS PM DU	
				50733 T	BR MF PT BM PM PR GR PL CH
				70733 T	BR MF AT
TEMPERATURE CONTROL		COVER PLATES / ROCKERS			
	Ref.		Ref.	Color	
 <p>Multi-Functional Chronothermostat ECO</p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 16A (3680W, cosφ = 1); ■ Compatible with any kind of load (inverter contact, NO or NC, voltage free); ■ Systems Control: Heating and/or Cooling; ■ Compatible with electrical and hydraulic systems; ■ Daily / weekly programming; ■ Temperature reading range: -9°C to 35°C; ■ Temperature control precision: 0,5°C; ■ Possibility of connecting the Floor Probe (Ref. 81950), with automatic detection. 	21235		90748 T	BR MF GE PE AL IS PM DU	
				50748 T	BR MF PT BM PM PR GR PL CH
				70748 T	BR MF AT
 <p>Multi-Functional Thermostat ECO</p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 16A (3680W, cosφ = 1); ■ Compatible with any kind of load (inverter contact, NO or NC, voltage free); ■ Systems Control: Heating and/or Cooling; ■ Compatible with electrical and hydraulic systems; ■ Temperature reading range: -9°C to 35°C; ■ Temperature control precision: 0,5°C; ■ Possibility of connecting the Floor Probe (Ref. 81950), with automatic detection; ■ Can be remotely controlled via an IR Transmitter (Ref. 81900). 	21236		90749 T	BR MF GE PE AL IS PM DU	
				50749 T	BR MF PT BM PM PR GR PL CH
				70749 T	BR MF AT

TEMPERATURE CONTROL		COVER PLATES / ROCKERS	
	Ref.		Ref. Color
 <p>Rotary Thermostat ECO</p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 16A (3680W, cosφ =1); ■ Compatible with any kind of load (inverter contact, NO or NC, voltage free); ■ Systems Control: Heating and/or Cooling; ■ Temperature settings: 5°C to 30°C; ■ Differential 2°C; ■ Possibility of connecting the Floor Probe (Ref. 81950), with automatic detection. 	21234		90746 T BR MF GE PE AL IS PM DU
			50746 T BR MF PT BM PM PR GR PL CH
			70746 T BR MF AT
 <p>Floor Probe for Thermostat and Chronothermostat</p> <ul style="list-style-type: none"> ■ Length: 4m; ■ Temperature range: from -10° to 50°C; ■ IP67; ■ NTC 12K/25°C. 			81950 —

MOTION DETECTORS		COVER PLATES / ROCKERS	
	Ref.		Ref. Color
 <p>Motion Detector 1000W ECO</p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 1000W; ■ Operating time regulation: 5 sec. to 5 min.; ■ Compatible with any kind of load (inverter contact, NO voltage free); ■ Possibility of two external inputs: ON/AUTO and Timed. 	21401		90401 T BR MF GE PE AL IS PM DU
			50401 T BR MF PT BM PM PR GR PL CH
 <p>Motion Detector 400W ECO</p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 400W; ■ Operating time regulation: 5 sec. to 5 min.; ■ Compatible with any kind of load (inverter contact, NO voltage free); ■ Possibility of two external inputs: ON/AUTO and Timed. 	21402		70401 T BR MF AT
 <p>Motion Detector - Wall Installation 1000W ECO</p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 1000W; ■ Operating time regulation: 5 sec. to 5 min.; ■ Compatible with any kind of load (inverter contact, NO voltage free); ■ Possibility of two external inputs: ON/AUTO and Timed. 	21403		90403 T BR MF GE PE AL IS PM DU
			50403 T BR MF PT BM PM PR GR PL CH
 <p>Motion Detector - Wall Installation 400W ECO</p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 400W; ■ Operating time regulation: 5 sec. to 5 min.; ■ Compatible with any kind of load (inverter contact, NO voltage free); ■ Possibility of two external inputs: ON/AUTO and Timed. 	21404		70403 T BR MF AT

DIMMERS		COVER PLATES / ROCKERS		
	Ref.		Ref.	Color
 <p>RLC Dimmer Press Switch</p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 250W (Máx LED - 75W); ■ Operates without neutral line; ■ R, RL and RC, loads control (Auto detected); ■ Possibility of external control inputs (rocker buttons - NO). <p>ECO</p>	21218		90747 T	BR MF GE PE AL IS PM DU
			50747 T	BR MF PT BM PM PR GR PL CH
			70747 T	BR MF AT





ORIENTATION AND LIGHT INDICATORS		COVER PLATES / ROCKERS		
	Ref.		Ref.	Color
<p>White Orientation Light</p> <ul style="list-style-type: none"> ■ Power: 230V~ - 50/60 Hz; ■ LED indicator, 4000° K; ■ Two lighting levels: -L1 - 0,2W; -L2 - 0,4W. <p>ECO</p>	21388		90782T	BR MF GE PE AL IS PM DU
			50782 T	BR MF PT BM PM PR GR PL CH
<p>White Orientation Light w/ Battery</p> <ul style="list-style-type: none"> ■ Power: 230V~ - 50/60 Hz; ■ LED indicator, 4000° K; ■ Two operating functions: - "L1" - Indicator OFF (connects only after power failure); - "L2" - Indicator ON (always connected); ■ Power reserve: 36 hours; ■ Autonomy: 1 hour. <p>ECO</p>	21389		70782 T	BR MF AT
















■ T - Rocker, Cover Plate or Frame.
 ■ BR - White; MF - Ivory; GE - Ice; PE - Pearl; AL - Aluminium; IS - Gray; PM - Matte Black; DU - Golden; BM - Matte White; PR - Silver; GR - Graphite; PL - Platinum; CH - Champagne; AT - Anthracite.
 ■ **ECO** - Products with this symbol save energy and contribute to the building's energy efficiency.

CONTROL DEVICES





			Ref.	Color
	Card-System Timer Switch - 2 Modules <ul style="list-style-type: none"> Power: 100-240V~ - 50/60Hz; Maximum load: 16A (3680W, $\cos\phi = 1$); For keycard - ATM card type (ref. 21999) – card in vertical or horizontal position; Operating time regulation: 0 sec. to 60 sec.; Compatible with any kind of load (inverter contact, NO or NC, voltage free). 		45033 S	BR BM PM AL
	Timer Switch - 2 Modules <ul style="list-style-type: none"> Power: 100-240V~ - 50/60Hz; Maximum load: 16A (3680W, $\cos\phi = 1$); Operating time regulation: 5 sec. to 15 minutes; Compatible with any kind of load (inverter contact, NO or NC, voltage free); Possibility of external control inputs (rocker buttons - NO). 		45040 S	BR BM PM AL
	Key Lock Push-button Switch - 2 Modules 10A - 250V~ <ul style="list-style-type: none"> ON - OFF - ON; Key can only be removed in OFF position; Screw-nut connection. 		45351 S	BR BM PM AL
	Key Lock 2-Way Switch - 2 Modules 10AX - 250V~ <ul style="list-style-type: none"> ON - OFF - ON; Key can be removed in all three positions; Screw-nut connection. 		45352 S	BR BM PM AL
	Push-button Pull Cord Switch (NO+NC) - 2 Modules 10AX - 250V~ <ul style="list-style-type: none"> NO - NC; Screw-nut connection. 		45090 S	BR BM PM AL
	2-Way Pull Cord Switch - 2 Modules 10A - 250V~ <ul style="list-style-type: none"> NO - NC; Screw-nut connection. 		45092 S	BR BM PM AL
	16A Rotary Switch - 2 Modules 16AX - 250V~ <ul style="list-style-type: none"> Screw-nut connection. 		45302 S	BR BM PM AL
	16A Rotary 2-Way Switch - 2 Modules 16AX - 250V~ <ul style="list-style-type: none"> ON - OFF - ON; Screw-nut connection. 		45301 S	BR BM PM AL

ELECTRIC SHUTTERS CONTROLLERS









			Ref.	Color
	16A Rotary Push-Button for Electric Shutters - 2 Modules 16A - 250V~ <ul style="list-style-type: none"> ON - OFF - ON; Screw-nut connection. 		45303 S	BR BM PM AL
	16A Rotary 2-Way Switch for Electric Shutters - 2 Modules 16A - 250V~ <ul style="list-style-type: none"> ON - OFF - ON; Screw-nut connection. 		45305 S	BR BM PM AL

TEMPERATURE CONTROL		Ref.	Color
 <p>Rotary Thermostat - 2 Modules </p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 16A (3680W, cosφ =1); ■ Compatible with any kind of load (inverter contact, NO or NC, voltage free); ■ Systems Control: Heating and/or Cooling; ■ Temperature settings: 5°C to 30°C; ■ Differential 2°C; ■ Possibility of connecting the Floor Probe (Ref. 81950), with automatic detection. 	45234 S	BR BM PM AL	
 <p>Multi-Functional Chronothermostat - 2 Modules </p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 16A (3680W, cosφ =1); ■ Compatible with any kind of load (inverter contact, NO or NC, voltage free); ■ Systems Control: Heating and/or Cooling; ■ Compatible with electrical and hydraulic systems; ■ Daily / weekly programming; ■ Temperature reading range: -9°C to 35°C; ■ Temperature control precision: 0,5°C; ■ Possibility of connecting the Floor Probe (Ref. 81950), with automatic detection. 	45235 S	BR BM PM AL	
 <p>Multi-Functional Thermostat - 2 Modules </p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 16A (3680W, cosφ =1); ■ Compatible with any kind of load (inverter contact, NO or NC, voltage free); ■ Systems Control: Heating and/or Cooling; ■ Compatible with electrical and hydraulic systems; ■ Temperature reading range: -9°C to 35°C; ■ Temperature control precision: 0,5°C; ■ Possibility of connecting the Floor Probe (Ref. 81950), with automatic detection; ■ Can be remotely controlled via an IR Transmitter (Ref. 81900). 	45236 S	BR BM PM AL	
 <p>Floor Probe for Thermostat and Chronothermostat</p> <ul style="list-style-type: none"> ■ Length: 4m; ■ Temperature range: from -10° to 50°C; ■ IP67; ■ NTC 12K/25°C. 	81950	-	
MOTION DETECTORS		Ref.	Color
 <p>Motion Detector 1000W - 2 Modules </p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 1000W; ■ Operating time regulation: 5 sec. to 5 min.; ■ Compatible with any kind of load (inverter contact, NO, voltage free); ■ Possibility of two external inputs: ON/AUTO and Timed. 	45401 S	BR BM PM AL	
 <p>Motion Detector 400W - 2 Modules </p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 400W; ■ Operating time regulation: 5 sec. to 5 min.; ■ Compatible with any kind of load (inverter contact, NO, voltage free); ■ Possibility of two external inputs: ON/AUTO and Timed. 	45402 S	BR BM PM AL	
 <p>Motion Detector - Wall Installation 1000W - 2 Modules </p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 1000W; ■ Operating time regulation: 5 sec. to 5 min.; ■ Compatible with any kind of load (inverter contact, NO, voltage free); ■ Possibility of two external inputs: ON/AUTO and Timed. 	45403 S	BR BM PM AL	
 <p>Motion Detector - Wall Installation 400W - 2 Modules </p> <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 400W; ■ Operating time regulation: 5 sec. to 5 min.; ■ Compatible with any kind of load (inverter contact, NO, voltage free); ■ Possibility of two external inputs: ON/AUTO and Timed. 	45404 S	BR BM PM AL	







DIMMERS

			Ref.	Color
	RLC Rotary Dimmer - 2 Modules <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 250W (Máx. LED - 75W); ■ Operates without neutral line; ■ R, RL and RC, loads control (Auto detected); ■ Possibility of external control inputs (rocker buttons - NO). 		45216 S	BR BM PM AL
	RLC Dimmer Press Switch - 2 Modules <ul style="list-style-type: none"> ■ Power: 100-240V~ - 50/60Hz; ■ Maximum load: 250W (Máx. LED - 75W); ■ Operates without neutral line; ■ R, RL and RC, loads control (Auto detected); ■ Possibility of external control inputs (rocker buttons - NO). 		45218 S	BR BM PM AL

ORIENTATION AND LIGHT INDICATORS

			Ref.	Color
	Light Indicator - 2 Modules <ul style="list-style-type: none"> ■ Power: 230V~ - 50/60 Hz; ■ LED indicator; 4000° K; ■ Two lighting levels: <ul style="list-style-type: none"> - L1 – 0,2W; - L2 – 0,4W. 		45361 S	IC VD VM LR
	Triangular Overdoor Light Indicator - 2 Modules <ul style="list-style-type: none"> ■ Power: 230V~ - 50/60 Hz; ■ LED indicator; 4000° K; ■ Two lighting levels: <ul style="list-style-type: none"> - L1 – 0,2W; - L2 – 0,4W. 		45362 S	IC VD VM LR
	White Orientation Light - 2 Modules <ul style="list-style-type: none"> ■ Power: 230V~ - 50/60 Hz; ■ LED indicator; 4000° K; ■ Two lighting levels: <ul style="list-style-type: none"> - L1 – 0,2W; - L2 – 0,4W. 		45388 S	BR BM PM AL
	White Orientation Light w/ Battery - 2 Modules <ul style="list-style-type: none"> ■ Power: 230V~ - 50/60 Hz; ■ LED indicator; 4000° K; ■ Two operating functions: <ul style="list-style-type: none"> - "L1" – Indicator OFF (connects only after power failure); - "L2" – Indicator ON (always connected); ■ Power reserve: 36 hours; ■ Autonomy: 1 hour. 		45389 S	BR BM PM AL

OTHER MECHANISMS

			Ref.	Color
	Cable Output - 2 Modules <ul style="list-style-type: none"> ■ With cable fixation system. 		45170 S	BR BM PM AL
	3-Cable Terminals Output - 2 Modules <ul style="list-style-type: none"> ■ 3x2,5mm² / 250V~. 		45173 S	BR BM PM AL
	4-Cable Terminals Output - 2 Modules <ul style="list-style-type: none"> ■ 4x1,5mm² / 250V~. 		45174 S	BR BM PM AL



efapel.com



Distributor:

Serpins
3200-355 Serpins
PORTUGAL

EXPORT
☎ +351 239 970 135
✉ export@efapel.com

SAT - Technical Support Service
☎ +351 239 970 132
✉ sat@efapel.com



EFAPEL reserves the right to modify this document and the products described herein without prior notice. Please contact EFAPEL if you have any queries.