

R 180 - R 280

Gearmotors

for spring balanced rolling shutters

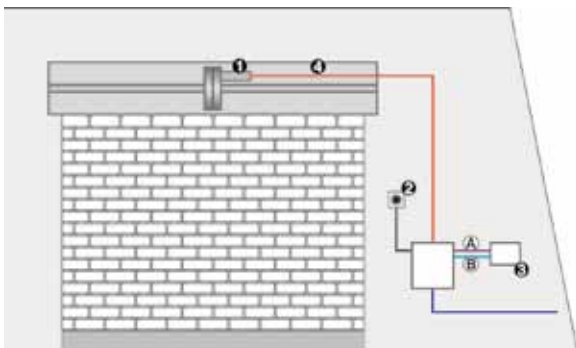


- Facility for application of anti-drop safety device (EN 13241-1)
- Limit switches with self-learning adjustment (Patented)
- Application possible, with adapters included, on shutters with shaft diameter of 60/48/42 mm and spring boxes of 200/220 mm
- Shutter max height: 8 m

DIMENSIONS AND TECHNICAL SPECIFICATIONS R180 - R280

	R 180 / R 180 EF	R 280 / R 280 EF	227 L
Power supply voltage	230 Vac (+6% -10%) 50 (60) Hz		230 Vac +/-10% 50 /60 Hz
Absorbed current	2.4 A	4.4 A	2,5 A
Drive torque	180 Nm	280 Nm	150 Nm
Operating ambient temperature	-20 °C to +55 °C		
Lifting capacity	180 kg	280 kg	160 kg
Winding flange speed	10 r.p.m.	9 r.p.m.	9 r.p.m.
Shutter shaft diameter	60/48/42 mm		76 mm
Winding flange diameter	200/220 mm		240 mm
Maximum shutter height	8 m		
Maximum shutter width	4.5 m		
Operator weight	8.7 kg	12.5 kg	11 kg

TYPICAL INSTALLATION EXAMPLE



■ (A) Low voltage cabling

- 1 cable 3x0.5

■ (B) Power cabling (230V)

- 1 cable 2x1.5+T
- 1 cable 3x1.5+T

N.B: Cable sections in mm²

Rif	Q.ty	Description	Item code	Price (euro)
1	1	Gearmotor R 180 60x200 Lifting capacity 180 kg	109910	
4	1	Electric brake for R 180	409840	
3	1	200 BT control unit with "dead man" logic	790852	
2	1	Burglar-resistant key-selector with lever release XK21L24 V	401301	
TOTAL				

Notes

ATTENTION: The configuration does not include the safety devices (i.e.: active or passive safety edges) that are to be determined according to the specific "risk analysis" of each installation (Ref.: UNI-EN 12445 and 12453 European Standards).

- The indicated price does not include the installation costs and the expenses for masonry, electrical and metalwork preparations.

R 180 - R 280 - 227 L

Model	Use			Control unit	Item code	Price (euro)
	Shutter shaft diameter (mm)	Diameter of spring boxes (mm)	Use frequency (%)			
R 180	60/48/42	200/220	25	Not included	109910	
R 180 EF (*)	60/48/42	200/220	25	Not included	109912	
R 280	60/48/42	200/220	25	Not included	109911	
R 280 EF (*)	60/48/42	200/220	25	Not included	109913	
227 L	76	240	20	Not included	109704	

The packages R180 - R280 include: a gearmotor, winding flange adapters 200/220, shaft reduction tube 60-48-42. installation accessories.

CONTROL UNITS



Control unit with "dead man" logic mod. 200 BT
Technical specifications page 158

Item code 790852
Price (euro)



Control board mod. 200 MPS
Technical specifications page 159

Item code 790905
Price (euro)



Enclosure mod. E compatible with control boards 200 MPS

Item code 720119
Price (euro)



Electric brake R 180 - R 280 *

Item code 409840
Price (euro)

SPECIFIC ACCESSORIES FOR R 180 - R 280



Anti-drop device

Item code 390925
Price (euro)



XK 21 H 230 V * - Burglar-resistant key-selector with lever release (only for R 180 - R 280)**

Item code 401300
Price (euro)



XK 21 L 24 V * - Burglar-resistant key-selector with lever release (only with control board 200 BT and 200 MPS)**

Item code 401301
Price (euro)



EF - 27 ** Electric brake for Series 227

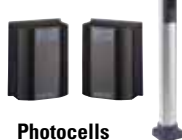
Item code 747000
Price (euro)

Notes

- (*) for external release use burglar resistant key-selector with lever release XK 21 H 230 V
- (**) for external release use key-operated push-buttons T 20 IF and T 20 EF
- (***) Cylinder sold as a separate part - see page 168



Key-operated push-buttons
page 185



Photocells and Columns
page 189



Safety devices
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Flashing lamps
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Transmitters
page 182



Various accessories
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