Output Modules for Rollerblind Motors

BH4-RO5ADC2-230

- ***Up/down control of 2 rollerblind motors***
- ***H4-housing***
- ***For mounting on DIN-rail (EN 50022)***
- ***LED-indications for supply smart-house carrier and motor up/down***
- ***AC power supply***
- ***Channel coding by BGP-COD-BAT***

OUTPUT SPECIFICATIONS

Outputs		2 SPST x 2 DPDT relays
Resistive loads	DC 13	5 A/24 VDC
Mechanical lifetime		≥ 1 x 10^6 operations
Electrical lifetime (at max load)		≥ 1 x 10^5 operations
Operating frequency		≤ 7200 operations/h
Insulation voltage Outputs - smart-house		≥ 4 kVAC (rms)
Response time		1 pulse train

GENERAL SPECIFICATIONS

Output OFF delay	
Upon loss of smart-house carrier	20 ms
Power ON delay	Typ. 2 s
Power OFF delay	≤ 1 s
Indication for	
Supply ON	LED, green
Output ON	4 LEDs, red (one per motor or direction)
smart-house carrier	LED, yellow
Environment	
Degree of protection	IP 20 B
Pollution degree	3 (IEC 60664)
Operating temperature	-20° to +50°C (-4° to +122°F)
Storage temperature	-50° to +85°C (-58° to +185°F)
Humidity (non-condensing)	20 to 80%
Mechanical resistance	
Shock	15 G (11 ms)
Vibration	2 G (6 to 55 Hz)
Dimensions	
Material (see Technical informations)	H4-housing
Weight	300 g

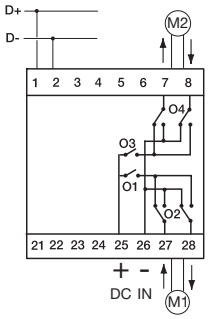
SUPPLY SPECIFICATIONS

Power supply AC types		Installations cat. III (IEC 60664)
Rated operational voltage		
through term. 21 & 22	230	230 VAC ± 10% (IEC 60038)
Frequency		45 to 65 Hz
Drop-out tolerance		≤ 40 ms
Power consumption		Typ. 3.8 VA
Power dissipation		≤ 9 W
Transient protection volt.	230	4 kV
Insulation voltage		
Supply - smart-house		≥ 4 kVAC (rms)
Supply - Outputs		≥ 4 kVAC (rms)
smart-house - Outputs		≥ 4 kVAC (rms)

TYPE SELECTION

Supply	***Ordering no.***
230 VAC	BH4-RO5ADC2-230

WIRING DIAGRAM



MODE OF OPERATION

As indicated on the wiring diagram, there are two relays in series to control each motor. O1 is used to switch Motor 1 ON/OFF and O2 is used to control the direction of Motor 1 UP/DOWN. Correspondingly O3 (ON/OFF) and O4 (UP/DOWN) are used to control Motor 2. O1, O2, O3 and O4 may be coded individually by means of the code programmer BGP-COD-BAT. The default setting of the module is to switch all outputs off in case of loss of smart-house carrier signal.

The smart-house controller provides intelligent functions that makes it easy for the user to control the rollerblind motors individually or several at the same time (all UP or all DOWN).

ACCESSORIES

DIN-rail	FMD 411

DIMENSIONS (mm)