

Output Module for Rollerblind Motors Type G 3430 4243



- Up/down control of 2 DC rollerblind motors
- H4-housing
- For mounting on DIN-rail (EN 50022)
- LED-indications for supply Dupline® carrier and motor up/down
- AC power supply
- Channel coding by GAP 1605

Product Description

Dupline® output module for intelligent control of the up/down control of two DC rollerblind motors. Each motor requires two Dupline® channels, one for “UP” and one for “DOWN”. There is a LED indication for “UP” and “DOWN” for each motor. For rollerblind motors it is recommended to use the Master Generator G3800X0XX, which has this function built in.

Ordering Key

G 3430 4243 230

Type: Dupline® _____
 H4-housing _____
 Receiver _____
 No. of channels _____
 Output type _____
 Power supply _____

Type Selection

Supply	Ordering no.
230 VAC	4 channel 5 A/24 VDC G 3430 4243 230

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	≥ 4 kVAC (rms)
Outputs - Dupline®	≥ 4 kVAC (rms)
Response time	1 pulse train

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 - Dupline®	≥ 4 kVAC (rms)
Supply - Outputs	≥ 4 kVAC (rms)
Dupline® - Outputs	≥ 4 kVAC (rms)

General Specifications

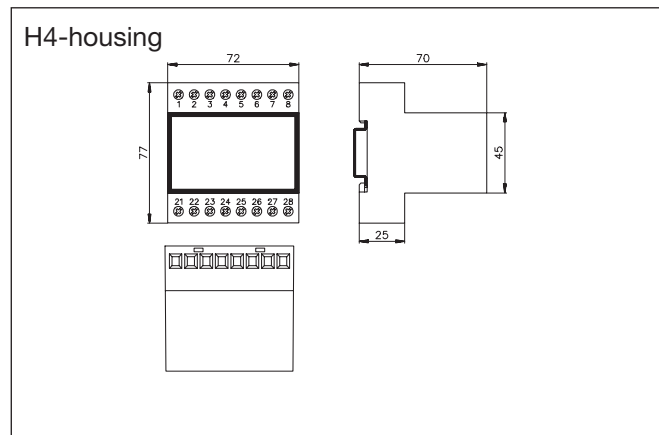
Output OFF delay Upon loss of Dupline® carrier	20 ms
Power ON delay	Typ. 2 s
Power OFF delay	≤ 1 s
Indication for Supply ON Output ON Dupline® carrier	LED, green 4 LEDs, red (one per motor or direction) LED, yellow
Environment Degree of protection Pollution degree Operating temperature Storage temperature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

Mode of Operation

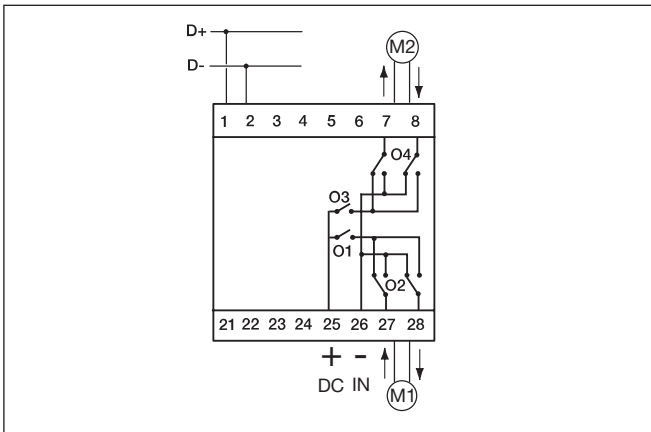
As indicated on the wiring diagram, there are two relays in series to control each motor. O1 is used to switch Motor 1 ON/OFF and O2 is used to control the direction of Motor 1 UP/DOWN. Correspondingly O3 (ON/OFF) and O4 (UP/DOWN) are used to control Motor 2. O1, O2, O3 and O4 may be coded individually by means of the code programmer GAP 1605. The default setting of the module is to switch all out-

puts off in case of loss of Dupline[®] carrier signal. The Master Generator G3800X0XX 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).

Dimensions (mm)



Wiring Diagram



Accessories

DIN-rail

FMD 411

For further information, see "Accessories".