



BN 85-5-2031

- Enclosure with mounting slots
- Actuation from front
- Non-contact principle
- 5 reed contacts
- Long life
- LED switching conditions display
- connector
- Thermoplastic enclosure
- Reed-contact to clip-in, on-location assembly

Data

Ordering data

Product type description	BN 85-5-2031
Article number (order number)	101118378
EAN (European Article Number)	4030661050058
eCl@ss number, version 12.0	27-27-43-02
eCl@ss number, version 11.0	27-27-01-05
eCl@ss number, version 9.0	27-27-01-05
ETIM number, version 7.0	EC002544
ETIM number, version 6.0	EC002544

General data

Working principle	Magnetic drive
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Housing construction form	rectangular
Housing material	Glass-fibre, reinforced thermoplastic
Gross weight	106 g

General data - Features

Latching	Yes
Suitable for elevators	Yes
Integral system diagnostics, status	Yes
Number of Snap-in contacts, maximum	5
Number of Snap-in contacts, minimum	1

Mechanical data

Actuating panels	front side
Actuating element	Magnet
Mechanical life, minimum	1,000,000,000 Operations
Mounting	Enclosure with mounting slots

Mechanical data - Switching distances according EN IEC 60947-5-3

Switching distance S_n	1 mm ... 14 mm
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Note (Switching distance S_n) The specified switching distances are applicable for the actuation of individually mounted components without ferromagnetic influence. A change of the distance, either positive or negative, is possible due to ferromagnetic influences. The mutual interference between multiple actuating magnets must be observed.

Mechanical data - Connection technique

Termination	Connector, 10-pole
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Mechanical data - Dimensions

Length of sensor	140 mm
Width of sensor	65 mm
Height of sensor	20 mm

Ambient conditions

Degree of protection	IP30
Ambient temperature	-10 ... +75 °C
Resistance to shock	60 g, on sine wave oscillation

Electrical data

Switching voltage, minimum	12 VDC
Switching voltage, maximum	60 VDC
Switching current, maximum	1 A
Switching capacity, maximum	30 W
Switching element	bistable contact

Electrical data - Digital Output

Design of control elements	Reed contacts
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Scope of delivery

Scope of delivery	Actuator must be ordered separately.
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Accessory

Recommendation (actuator)	BP 7
Recommendation (actuator, lift switchgear)	BP 7

Note

Note (General)

The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets.

Pictures

Product picture (catalogue individual photo)



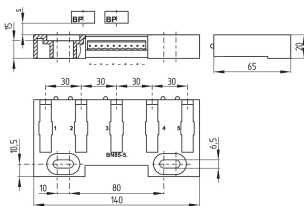
ID: kbn85f01

| 1.4 MB | .jpg | 332.669 x 575.028 mm - 943 x 1630 px - 72 dpi

| 91.8 kB | .png | 73.731 x 127.706 mm - 209 x 362 px - 72 dpi

| 51.0 kB | .jpg | 71.261 x 123.472 mm - 202 x 350 px - 72 dpi

Dimensional drawing basic component



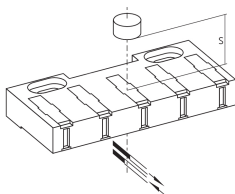
ID: 1bn85g01

| 92.4 kB | .cdr |

| 4.3 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi

| 108.9 kB | .jpg | 352.778 x 244.475 mm - 1000 x 693 px - 72 dpi

Dimensional drawing actuator

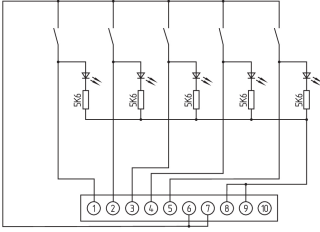


ID: 1bn85b01

| 10.0 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi

| 100.7 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 px - 72 dpi

Diagram



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| 91.7 kB | .jpg | 352.778 x 251.531 mm - 1000 x 713 px - 72 dpi

| 3.8 kB | .png | 74.083 x 52.917 mm - 210 x 150 px - 72 dpi

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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