



BN 85-R-1824-3 5,0M

- Mounting with clamping brackets and sheathed cable
- Non-contact principle
- 1 Reed kontakts
- Long life
- Actuating distance up to 40 mm depending on actuating magnet and version
- 40 mm x 35 mm x 16,5 mm
- Thermoplastic enclosure
- Reed-contact to clip-in, on-location assembly

Data

Ordering data

Product type description	BN 85-R-1824-3 5,0M
Article number (order number)	101114790
EAN (European Article Number)	4030661023564
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
Housing construction form	Block
Housing material	Glass-fibre, reinforced thermoplastic

Gross weight 115 g

General data - Features

Latching Yes
Suitable for elevators Yes
Number of snap-in contacts 1

Mechanical data

Actuating panels front side
Active area lateral
Actuating element Magnet
Mechanical life, minimum 1,000,000,000 Operations
Mounting Mounting with clamping foot and sheathed cable

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

Switching distance S_n 2 mm ... 40 mm
BP 6S = 2 ... 12 mm
BP 8S = 2 ... 10 mm
BP 10S = 5 ... 20 mm
2 x BP 10S = 6 ... 27 mm
BP 15S = 5 ... 22 mm
2 x BP 15S = 7 ... 28 mm
BP 34S = 10 ... 40 mm
BP 20S = 3 ... 28 mm
BP 31S = 4 ... 30 mm
BP 11S = 4 ... 23 mm
BP 12S = 5 ... 27 mm

Note (Switching distance S_n) Actuating distance up to 40 mm depending on version and actuating magnet

Mechanical data - Connection technique

Length of cable 5 m
Termination Cable
Wire cross-section 0.75 mm^2

Wire cross-section	18 AWG
Material of the Cable mantle	LiY

Mechanical data - Dimensions

Length of sensor	16.5 mm
Width of sensor	40 mm
Height of sensor	35 mm

Ambient conditions

Degree of protection	IP40
Ambient temperature	+0 ... +75 °C
Restistance to shock	60 g, on sine wave oscillation

Electrical data

Switching voltage, maximum	60 VDC
Switching current, maximum	1 A
Switching capacity, maximum	30 VA
Switching element	bistable contact
Bounce duration, maximum	0.2 ms

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 10 S
	2x BP 10 S
	BP 15 S
	BP 34 S
	BP 20 S
	BP 31 S
	BP 11 S
	BP 12 S
	BP 6 S
	BP 8 S
	2 x BP 15 S

Note

Note (General)	The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets.
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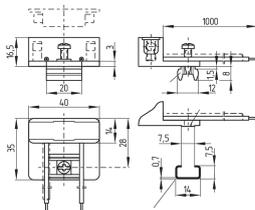
Pictures

Product picture (catalogue individual photo)



ID: kbn85f04
| 227.6 kB | .jpg | 352.778 x 130.528 mm - 1000 x 370 px - 72 dpi
| 28.7 kB | .png | 74.083 x 27.517 mm - 210 x 78 px - 72 dpi

Dimensional drawing basic component



ID: 1bn85g02
| 36.1 kB | .cdr |
| 10.0 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi
| 122.1 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

Dimensional drawing basic component

