



BN 65-01Z/V

- With pre-wired cable
- Actuation from front
- with bias magnet
- Non-contact principle
- Long life
- Actuating surface and direction of actuation marked by switch symbol
- Construction form Ø 13 mm
- Thermoplastic enclosure
- Actuating distance up to 60 mm depending on actuating magnet and version
- with central mounting

Data

Ordering data

Product type description	BN 65-01Z/V
Article number (order number)	101055831
EAN (European Article Number)	4030661009872
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

Approvals - Standards

Certificates cULus

General data

Working principle	Magnetic drive
Housing construction form	Cylinder smooth
Housing material	Glass-fibre, reinforced thermoplastic
Gross weight	65 g

General data - Features

Suitable for elevators	Yes
bias magnet	Yes
Number of normally closed (NC)	1

Mechanical data

Actuating panels	front side
Actuating element	Magnet
Mechanical life, minimum	1,000,000,000 Operations
Actuating speed, maximum	18 m/s
Mounting	central with threaded flange
Tightening torque of nuts, maximum	3 Nm

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

Switching distance S_n	5 mm ... 55 mm
	BP 10S = 5 mm
	2 x BP 10S = 10 mm
	BP 15S = 6 mm
	BP 34S = 20 mm
	BP 20S = 15 mm
	BP 31S = 15 mm
	BP 11S = 5 mm
	2 x BP 11S = 15 mm
	BP 12S = 10 mm
	2 x BP 12S = 25 mm
	BP 21S = 30 mm
	2 x BP 21S = 20 ... 55 mm
	BP 22S = 25 mm
	2 x BP 22S = 15 ... 55 mm
	BE 20 S = 6 mm

Note (Switching distance S_n) Actuating distance up to 55 mm depending on actuating magnet and version. 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.

Repeat accuracy R 0.3 mm

Mechanical data - Connection technique

Length of cable	1 m
Termination	Cable
Wire cross-section	0.75 mm ²
Wire cross-section	18 AWG
Material of the Cable mantle	H03VV-F

Mechanical data - Dimensions

Diameter of sensor	13 mm
width across flats	22 BK
Length of sensor	103 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature	-25 ... +75 °C

Resistance to vibrations	10 ... 55 Hz, amplitude 1 mm
Resistance to shock	30 g, on sine wave oscillation
Resistant to vibration	30 g, on sine wave oscillation

Electrical data

Switching voltage, maximum	250 VAC
Switching current, maximum	3 A
Switching capacity, maximum	120 W
Switching capacity, maximum	120 VA
Switching element	Opener (NC)
Bounce duration, minimum	0.3 ms
Bounce duration, maximum	0.6 ms
Switching frequency, maximum	300 Hz
Maximum switching frequency	1,080,000 /h

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
	2x BP 11 S
	BP 12 S
	2x BP 12S
	BP 21 S
	2x BP 21 S
	BP 22 S
	2x BP 22 S
	BE 20 S

Recommendation (actuator, lift switchgear)	BP 10
	2 x BP 10
	BP 15
	BP 34

Note

Note (General) The switch is to be mounted on iron with a non-magnetic layer of at least 20 mm.

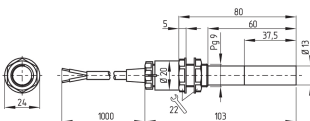
Pictures

Product picture (catalogue individual photo)



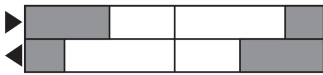
ID: kbn65f01
 | 303.0 kB | .jpg | 90.664 x 656.519 mm - 257 x 1861 px - 72 dpi
 | 252.7 kB | .png | 74.083 x 536.222 mm - 210 x 1520 px - 72 dpi
 | 9.9 kB | .jpg | 16.933 x 123.472 mm - 48 x 350 px - 72 dpi

Dimensional drawing basic component



ID: 1bn65g03
 | 25.2 kB | .cdr |
 | 7.6 kB | .png | 74.083 x 51.858 mm - 210 x 147 px - 72 dpi
 | 81.6 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 px - 72 dpi

Switch travel diagram



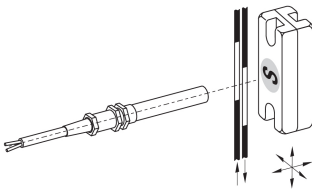
ID: ksbn4sx2

| 18.1 kB | .cdr |

| 1.1 kB | .png | 74.083 x 18.697 mm - 210 x 53 px - 72 dpi

| 24.2 kB | .jpg | 352.778 x 88.194 mm - 1000 x 250 px - 72 dpi

Diagram



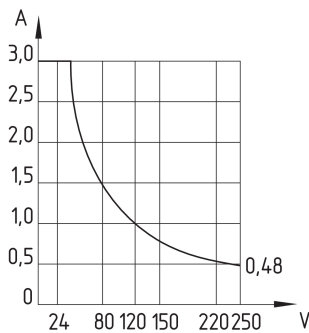
ID: 1bn65k22

| 23.3 kB | .cdr |

| 73.9 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

| 9.4 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi

Characteristic curve



ID: kbn32d03

| 3.1 kB | .png | 73.731 x 77.964 mm - 209 x 221 px - 72 dpi

| 116.4 kB | .jpg | 352.425 x 371.828 mm - 999 x 1054 px - 72 dpi

Schmersal Ltd., Sparrowhawk Close, WR14 1GL Malvern

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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