



BN 65-10Z

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

Data

Ordering data

	BN 65-10Z
	101055787
EAN (European Article Number)	4030661009469
eCl@ss number, Version 9.0	27-27-01-05

Approval - Standards

cULus

General data

	BN 65
Active principle	Magnetic drive
Housing construction form	Cylinder smooth
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	70 g

General data - Features

Suitable for elevators	Yes
bias magnet	Yes

Number of shutters 1

Mechanical data

Actuating panels	lateral
Actuating element	Magnet
Mounting	central with threaded flange
Mechanical life, minimum	1,000,000,000 Operations
	5 mm ... 50 mm
	BP 10 = 5 mm
	2 x BP 10 = 17 mm
	BP 15 = 6 mm
	2 x BP 15 = 17 mm
	2 x BP 15/2 = 17 mm
	BP 34 = 15 ... 20 mm
	BP 20 = 20 mm
	BP 31 = 20 mm
	BP 11 = 20 mm
	BP 12 = 10 ... 30 mm
	BP 21 = 25 ... 50 mm
Notice (Switch distance S _n)	Actuating distance up to 50 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 R	0.3 mm
Actuating speed, maximum	18 m/s
Tightening torque of nuts, maximum	3 Nm

Mechanical data - Connection technique

Terminal Connector	Cable
Length of cable	1 m
Wire cross-section	0.8 mm ²
Wire cross-section	18 AWG
	H03VV-F

Mechanical data - Dimensions

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

Ambient conditions

Protection class	IP 67 to IEC/EN 60529
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Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+75 °C
Resistance to vibrations to EN 60068-2-6	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 element	Normally open contact (NO)
Bounce duration, minimum	0.3 ms
Bounce duration, maximum	0.6 ms
Switching frequency, maximum	300 Hz
Switching frequency	1,080,000 /h

Electrical data - Digital Output

Versions	Reed contacts
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Scope of delivery

Included in delivery	Actuators must be ordered separately.
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Accessory

BP 10
2x BP 10
BP 15
2x BP 15/2
BP 34
BP 20
BP 31
BP 11
BP 12
BP 21
BP 10
2 x BP 15/2
2 x BP 15
2 x BP 10
BP 15
BP 34

Notes

Note (General)

Pictures

Photo/Product/Catalogue

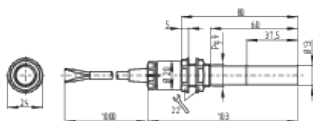


ID: kbn65f01

| 252,7 kB | .png | 74.083 x 536.222 mm - 210 x 1520
Pixel - 72 dpi

| 303,0 kB | .jpg | 90.664 x 656.519 mm - 257 x 1861
Pixel - 72 dpi

Dimension/Product/Basic



ID: 1bn65g03

| 7,6 kB | .png | 74.083 x 51.858 mm - 210 x 147 Pixel
- 72 dpi
| 25,2 kB | .cdr |
| 81,6 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701
Pixel - 72 dpi

Diagramm/Product/Travel

ID: ksbn4sx5



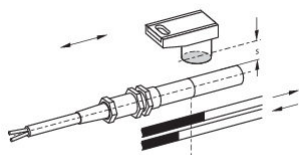
| 17,7 kB | .cdr |

| 16,3 kB | .jpg | 352.778 x 66.675 mm - 1000 x 189

Pixel - 72 dpi

| 1,1 kB | .png | 74.083 x 14.111 mm - 210 x 40 Pixel -
72 dpi

Graphic/Product/Contact



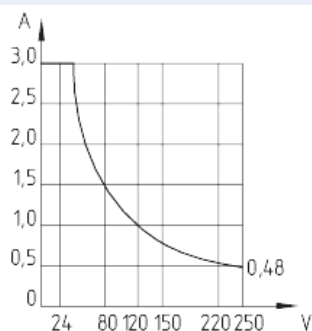
ID: lbn65k17

| 23,4 kB | .cdr |

| 87,8 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691

Pixel - 72 dpi

Diagramm/Product/Curve



ID: kbn32d03

| 116,4 kB | .jpg | 352.425 x 371.828 mm - 999 x 1054

Pixel - 72 dpi

| 3,1 kB | .png | 73.731 x 77.964 mm - 209 x 221 Pixel
- 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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