



BN 650-01Z

- 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 distance up to 60 mm depending on actuating magnet and version

Data

Ordering data

	BN 650-01Z
	101187280
EAN (European Article Number)	4030661335629
eCl@ss number, Version 9.0	27-27-01-05

General data

	BN 650
Active principle	Magnetic drive
Housing construction form	Cylinder smooth
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	65 g

General data - Features

Suitable for elevators	Yes
bias magnet	Yes
Number of openers	1

Mechanical data

Actuating panels	lateral
Actuating element	Magnet
Mounting	central with threaded flange
Mechanical life, minimum	100,000,000 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

Mechanical data - Connection technique

Terminal Connector	Cable
Length of cable	1 m
Wire cross-section	0.3 mm ²
Wire cross-section	23 AWG
	LiYY

Mechanical data - Dimensions

Diameter of sensor	13 mm
Length of sensor	103 mm

Ambient conditions

Protection class	IP 67 to IEC/EN 60529
Ambient temperature, minimum	-25 °C

Ambient temperature, maximum	+70 °C
Resistance to vibrations to EN 60068-2-6	10 ... 55 Hz, amplitude 1 mm
	30 g / 11 ms

Electrical data

Switching voltage, maximum	200 VAC
Switching voltage, maximum	200 VDC
Switching current, maximum	1 A
Switching capacity, maximum	30 W
Switching capacity, maximum	30 VA
Switching element	Opener (NC)
Bounce duration, maximum	0.2 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
- 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) The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets.
When the switches and actuators come together, the colours must coincide: Red (S) to red (S) and green (N) to green (N).
This does not apply to the bistable contact.

Pictures

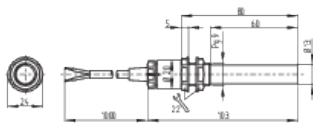
Photo/Product/Catalogue



ID: kbn65f03

| 204,6 kB | .jpg | 352.778 x 518.231 mm - 1000 x 1469 Pixel - 72 dpi
| 16,3 kB | .png | 74.083 x 108.656 mm - 210 x 308 Pixel - 72 dpi

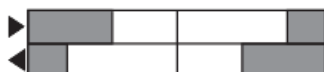
Dimension/Product/Basic



ID: 1bn65g04

| 7,3 kB | .png | 74.083 x 51.858 mm - 210 x 147 Pixel - 72 dpi
| 24,8 kB | .cdr |
| 77,6 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 Pixel - 72 dpi

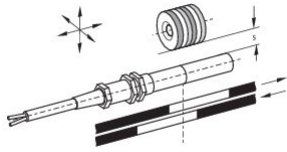
Diagramm/Product/Travel



ID: ksbn4sx2

| 24,2 kB | .jpg | 352.778 x 88.194 mm - 1000 x 250 Pixel - 72 dpi
| 1,1 kB | .png | 74.083 x 18.697 mm - 210 x 53 Pixel - 72 dpi
| 18,1 kB | .cdr |

Graphic/Product/Contact



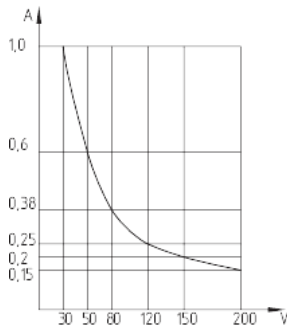
ID: 1bn65k19

| 94,5 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691

Pixel - 72 dpi

| 23,9 kB | .cdr |

Diagramm/Product/Curve



ID: kbn65d03

| 2,9 kB | .png | 73.731 x 84.314 mm - 209 x 239 Pixel
- 72 dpi

| 112,6 kB | .jpg | 352.425 x 402.167 mm - 999 x 1140

Pixel - 72 dpi

| 16,7 kB | .cdr |

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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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