



BN 65-RZ

- 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-RZ
	101055800
EAN (European Article Number)	4030661009490
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

Latching	Yes
Suitable for elevators	Yes

bias magnet	Yes
Number of snap-in contacts	1

Mechanical data

Actuating panels	lateral
Actuating element	Magnet
Mounting	central with threaded flange
Mechanical life, minimum	1,000,000,000 Operations
	15 mm ... 60 mm
	BP 10N = 15 mm
	BP 10S = 15 mm
	2 x BP 10N = 20 mm
	2 x BP 10S = 20 mm
	BP 15N = 17 mm
	BP 15S = 17 mm
	2 x BP 15/2N = 22 mm
	2 x BP 15/2S = 22 mm
	BP 34N = 10 ... 30 mm
	BP 34S = 15 ... 30 mm
	BP 20N = 25 mm
	BP 20S = 25 mm
	BP 31N = 25 mm
	BP 31S = 25 mm
	BP 11N = 15 mm
	BP 11S = 15 mm
	2 x BP 11N = 25 mm
	2 x BP 11S = 25 mm
	BP 12N = 20 mm
	BP 12S = 20 mm
	2 x BP 12N = 10 ... 30 mm
	2 x BP 12S = 10 ... 30 mm
	BP 21N = 15 ... 45 mm
	BP 21S = 15 ... 45 mm
	2 x BP 21N = 20 ... 60 mm
	2 x BP 21S = 20 ... 60 mm
Notice (Switch distance S _n)	Actuating distance up to 60 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
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	bistable contact
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

Scope of delivery

Included in delivery Actuators must be ordered separately.

Accessory

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

Notes

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

Note (General) 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

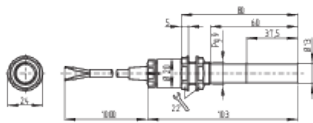
Photo/Product/Catalogue



ID: 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: ksbn4sx3

| 1,1 kB | .png | 74.083 x 18.697 mm - 210 x 53 Pixel -
72 dpi
| 18,0 kB | .cdr |
| 23,1 kB | .jpg | 352.778 x 88.194 mm - 1000 x 250
Pixel - 72 dpi

Diagramm/Product/Travel

ID: ksbn4sx4

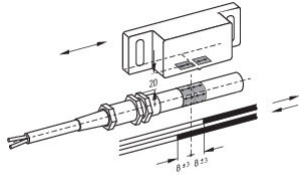


| 18,0 kB | .cdr |

| 1,1 kB | .png | 74.083 x 18.697 mm - 210 x 53 Pixel - 72 dpi

| 22,8 kB | .jpg | 352.778 x 88.194 mm - 1000 x 250 Pixel - 72 dpi

Graphic/Product/Contact

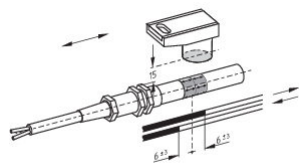


ID: 1bn65k03

| 25,7 kB | .cdr |

| 105,6 kB | .jpg | 352.778 x 244.475 mm - 1000 x 693 Pixel - 72 dpi

Graphic/Product/Contact



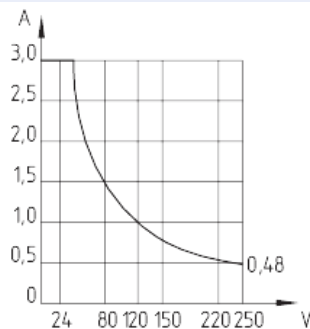
ID: 1bn65k04

| 93,7 kB | .jpg | 352.778 x 244.475 mm - 1000 x 693

Pixel - 72 dpi

| 25,7 kB | .cdr |

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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