



BN 65-RZ/V

- Long life
- with bias magnet
- With pre-wired cable
- Actuation from front
- 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/V
	101055838
EAN (European Article Number)	4030661009933
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	front side
Actuating element	Magnet
Mounting	central with threaded flange
Mechanical life, minimum	1,000,000,000 Operations
	3 mm ... 45 mm
	2 x BP 10 = 3 mm
	BP 34 = 15 mm
	BP 20 = 10 mm
	BP 31 = 10 mm
	BP 11 = 15 mm
	BP 12 = 20 mm
	BP 21 = 45 mm
	BP 22 N = 35 mm
	BP 22 S = 35 mm
Notice (Switch distance S _n)	Actuating distance up to 45 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	15 g, on sine wave oscillation
Resistant to vibration	15 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	bistable contact
Bounce duration, minimum	0.3 ms
Bounce duration, maximum	0.6 ms
Switching frequency, maximum	300 Hz
Switching frequency	720,000 /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

2x BP 10
BP 34
BP 20
BP 31
BP 11
BP 12
BP 21
BP 22 S
BP 22 N
BE 20

BP 10
2 x BP 10
BP 15
BP 34

Notes

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

Pictures

Photo/Product/Catalogue

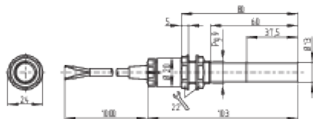


ID: kbn65f01

| 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

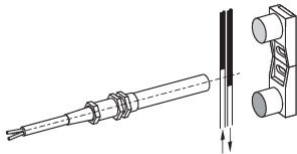


| 18,0 kB | .cdr |

| 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

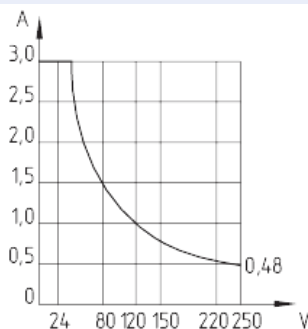


ID: 1bn65k23

| 68,8 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 Pixel - 72 dpi

| 22,0 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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