



BN 65-10Z/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 65-10Z/V
	101055824
EAN (European Article Number)	4030661009797
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	front side
Actuating element	Magnet
Mounting	central with threaded flange
Mechanical life, minimum	1,000,000,000 Operations
	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
Notice (Switch distance Sn)	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 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 capacity, maximum	120 VA
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
----------	---------------

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

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

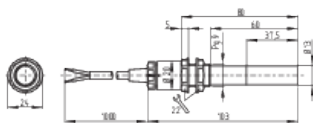


ID: kbn65f01

| 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: ksbn4sx1

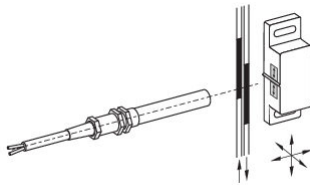


| 18,0 kB | .cdr |

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

| 23,4 kB | .jpg | 352.778 x 88.194 mm - 1000 x 250 Pixel - 72 dpi

Graphic/Product/Contact

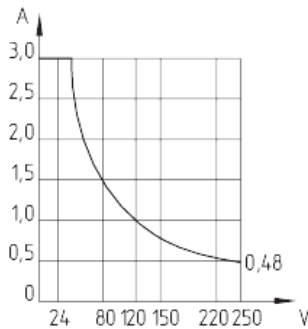


ID: 1bn65k21

| 23,0 kB | .cdr |

| 71,5 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

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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.

Generated on 542021-01-31T16:25:54+01:000401Europe/BerlinSun, 31 Jan 2021 16:25:54

+010054pmSunday.31pm31Europe/BerlinCET2501Europe/BerlinJanuary2021Sun, 31 Jan 2021 16:25:54

+010001pm31