

BN 80-10Z



- Long life
- Flat design
- 1 Reed contacts
- 44 mm x 13 mm x 9 mm
- Non-contact principle
- Thermoplastic enclosure
- Actuating surface marked by protrusion
- Actuating distance up to 60 mm depending on actuating magnet and version

Data

Ordering data

	BN 80-10Z
	101055844
EAN (European Article Number)	4030661010021
eCI@ss number, Version 9.0	27-27-01-05

General data

	BN 80
Active principle	Magnetic drive
Housing construction form	Block
Enclosure material	Glass-fibre, reinforced thermoplastic
Active area	Plastic
Gross weight	25 g

General data - Features

Number of shutters	1
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Mechanical data

Actuating panels	lateral
Active area	lateral
Actuating element	Magnet
Mechanical life, minimum	1,000,000,000 Operations

0 mm ... 32 mm
 BP 8 = 3 ... 8 mm
 BP 10 = 6 ... 12 mm
 2 x BP 10 = 12 ... 20 mm
 BP 15 = 8 ... 14 mm
 2 x BP 15 = 12 ... 22 mm
 2 x BP 34 = 12 ... 26 mm
 BP 20 = 12 ... 24 mm
 BP 31 = 12 ... 24 mm
 BP 11 = 22 ... 28 mm
 BP 12 = 24 ... 32 mm

Notice (Switch distance S_n) Actuating distance up to 32 mm depending on version and actuating magnet

Mechanical data - Connection technique

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

Mechanical data - Dimensions

Height of sensor	13 mm
Length of sensor	9 mm
Width of sensor	44 mm

Ambient conditions

	IP67
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+75 °C
Resistance to shock	15 g, on sine wave oscillation
Resistant to vibration	15 g, on sine wave oscillation

Electrical data

Voltage type	AC (alternating current) DC (direct current)
Switching voltage, maximum	250 VAC
Switching voltage, maximum	250 VDC
Switching current, maximum	0.5 A
Switching capacity, maximum	8 W
Switching capacity, maximum	10 VA

Switching element Normally open contact (NO)
Bounce duration, maximum 0.5 ms

Electrical data - Digital Output

Versions Reed contacts

Scope of delivery

Included in delivery Actuators must be ordered separately.

Accessory

- BP 10
- 2x BP 10
- BP 15
- 2x BP 15
- BP 20
- BP 31
- BP 11
- BP 12
- BP 8
- 2 x 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.

Pictures

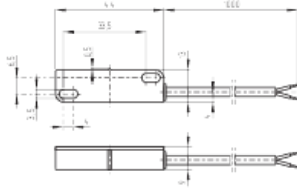
Photo/Product/Catalogue

ID: kbn80f01



| 102,7 kB | .jpg | 352.778 x 67.733 mm - 1000 x 192
Pixel - 72 dpi
| 8,3 kB | .png | 74.083 x 14.111 mm - 210 x 40 Pixel -
72 dpi

Dimension/Product/Basic



ID: 1bn80g01

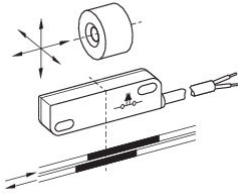
| 64,5 kB | .cdr |

| 78,0 kB | .jpg | 352.778 x 244.475 mm - 1000 x 693

Pixel - 72 dpi

| 3,4 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel
- 72 dpi

Graphic/Product/Contact



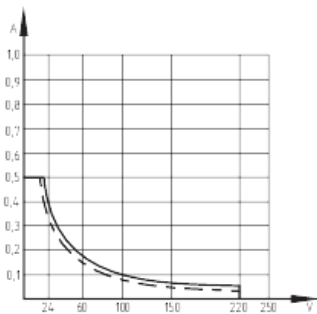
ID: 1bn80k03

| 21,1 kB | .cdr |

| 82,3 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691

Pixel - 72 dpi

Diagramm/Product/Curve



ID: kbn80d01

| 113,9 kB | .jpg | 352.778 x 340.783 mm - 1000 x 966

Pixel - 72 dpi

| 2,7 kB | .png | 74.083 x 71.614 mm - 210 x 203 Pixel

- 72 dpi

| 35,8 kB | .cdr |

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.

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