

BN 80-RZ



- 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-RZ
	101139647
EAN (European Article Number)	4030661282176
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	24.4 g

General data - Features

Latching	Yes
Number of snap-in contacts	1

Mechanical data

Actuating panels	lateral
Active area	lateral
Actuating element	Magnet

Mechanical life, minimum	1,000,000,000 Operations
	BP 10 = 2 ... 9 mm
	2 x BP 10 = 2 ... 13 mm
	0 mm ... 60 mm
	BP 6S = 4 ... 18 mm
	BP 7S = 6 ... 22 mm
	BP 10S = 10 ... 30 mm
	2 x BP 10S = 12 ... 36 mm
	BP 15S = 12 ... 30 mm
	2 x BP 15S = 13 ... 38 mm
	BP 34S = 20 ... 50 mm
	2 x BP 34S = 22 ... 60 mm
	BP 20S = 10 ... 38 mm
	BP 31S = 12 ... 40 mm
	BP 11S = 10 ... 30 mm
	BP 12S = 10 ... 34 mm

Notice (Switch distance S_n) Actuating distance up to 60 mm depending on version and actuating magnet

Repeat accuracy R R 0.3 mm

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	bistable contact
Bounce duration, maximum	0.5 ms

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
- BP 10 S
- BP 15 S
- BP 34 S
- BP 20 S
- BP 31 S
- BP 11 S
- BP 12 S
- BP 6 S
- BP 7 S
- 2x BP 15 S
- 2x BP 34 S

Notes

Note (General)	The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets.
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Pictures

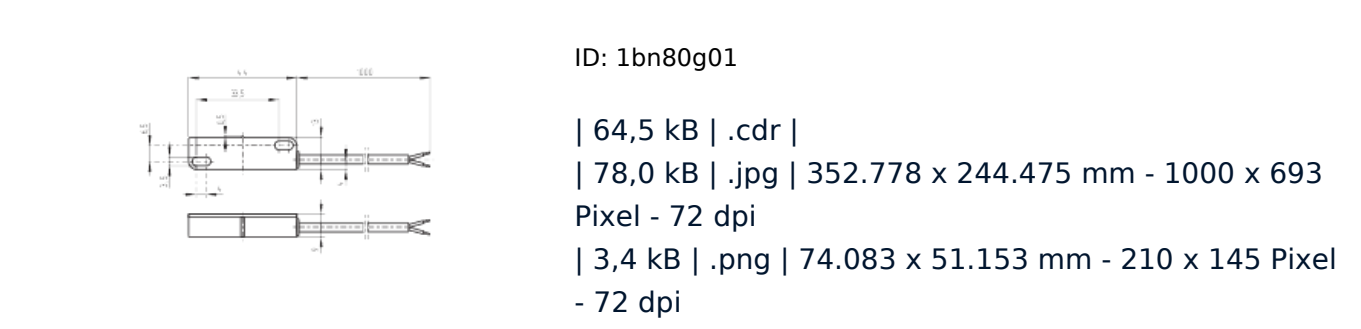
Photo/Product/Catalogue

ID: kbn80f01



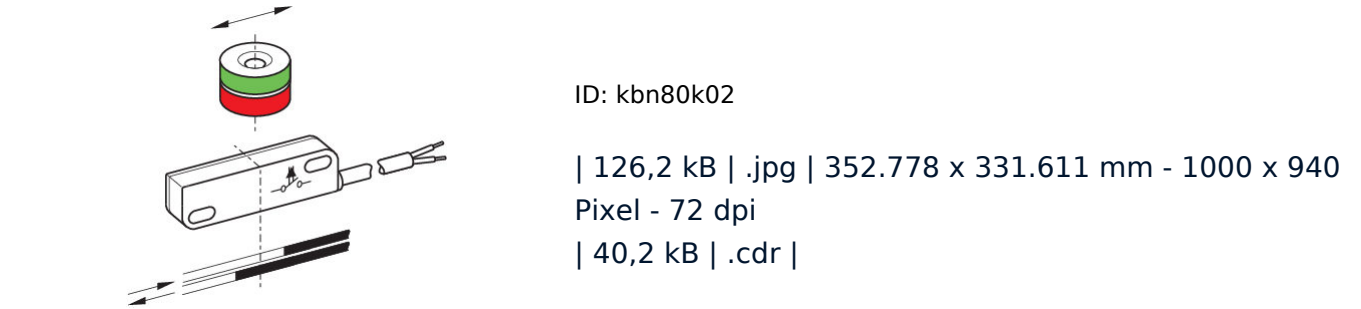
| 102,7 kB | .jpg | 352.778 x 67.733 mm - 1000 x 192 Pixel - 72 dpi
| 8,3 kB | .png | 74.083 x 14.111 mm - 210 x 40 Pixel - 72 dpi

Dimension/Product/Basic



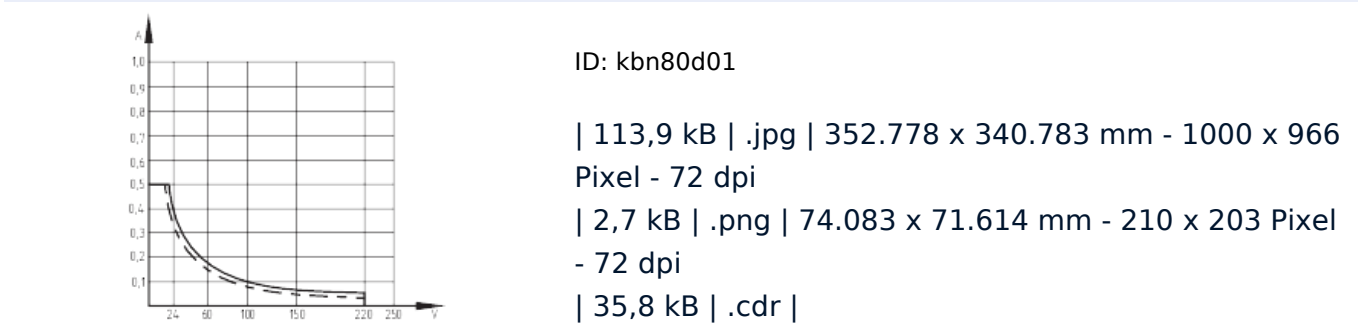
| 64,5 kB | .cdr |
| 78,0 kB | .jpg | 352.778 x 244.475 mm - 1000 x 693
Pixel - 72 dpi
| 3,4 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel
- 72 dpi

Graphic/Product/Contact



| 126,2 kB | .jpg | 352.778 x 331.611 mm - 1000 x 940
Pixel - 72 dpi
| 40,2 kB | .cdr |

Diagramm/Product/Curve	Diagramm	Product	Curve
1	Diagramm 1	Product 1	Curve 1
2	Diagramm 2	Product 2	Curve 2
3	Diagramm 3	Product 3	Curve 3
4	Diagramm 4	Product 4	Curve 4
5	Diagramm 5	Product 5	Curve 5
6	Diagramm 6	Product 6	Curve 6
7	Diagramm 7	Product 7	Curve 7
8	Diagramm 8	Product 8	Curve 8
9	Diagramm 9	Product 9	Curve 9
10	Diagramm 10	Product 10	Curve 10
11	Diagramm 11	Product 11	Curve 11
12	Diagramm 12	Product 12	Curve 12
13	Diagramm 13	Product 13	Curve 13
14	Diagramm 14	Product 14	Curve 14
15	Diagramm 15	Product 15	Curve 15
16	Diagramm 16	Product 16	Curve 16
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88	Diagramm 88	Product 88	Curve 88
89	Diagramm 89	Product 89	



| 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 |

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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