

BN 20-2RZ

- **Long life**
- **2 reed contacts**
- **Screw connection**
- **Aluminium enlosure**
- **With pre-wired cable**
- **Non-contact principle**
- **104 mm x 52 mm x 47 mm**
- **Highly resistant to vibration**
- **Available for actuation from front or side**
- **Actuating distance up to 50 mm depending on actuating magnet and version**

Data

Ordering data	
	BN 20-2RZ
	101172893
EAN (European Article Number)	4030661301778
eCl@ss number, Version 9.0	27-27-01-05
General data	
	BN 20
	EN 60947-5-1
Active principle	Magnetic drive
Housing construction form	rectangular
Enclosure material	Aluminium
Active area	Metal film
Gross weight	298 g
General data - Features	
bias magnet	Yes
Number of snap-in contacts	2
Mechanical data	
Actuating panels	lateral
Active area	lateral

Actuating element	Magnet
Mechanical life, minimum	1,000,000,000 Operations
	5 mm ... 50 mm BP 10S = 5 mm 2 x BP 10S = 10 mm BP 20S = 15 mm BP 31S = 15 mm BP 11S = 5 mm 2 x BP 11S = 15 mm BP 12S = 10 mm BP 10N = 5 mm 2 x BP 10N = 10 mm BP 15N = 7 mm BP 15S = 7 mm 2 x BP 15/2N = 15 mm 2 x BP 15/2S = 15 mm BP 34N = 10 ... 25 mm BP 34S = 10 ... 25 mm BP 20N = 15 mm BP 31N = 15 mm BP 11N = 5 mm 2 x BP 11N = 15 mm BP 12N = 10 mm 2 x BP 12N = 5 ... 20 mm 2 x BP 12S = 5 ... 20 mm BP 21 N = 10 ... 35 mm BP 21 S = 10 ... 35 mm 2 x BP 21N = 15 ... 50 mm 2 x BP 21S = 15 ... 50 mm
Notice (Switch distance Sn)	Actuating distance up to 50 mm depending on version and actuating magnet
Repeat accuracy R R	0.3 mm
Actuating speed, maximum	18 m/s
Mechanical data - Connection technique	
Terminal Connector	Screw connection
Mechanical data - Dimensions	
Height of sensor	52 mm
Length of sensor	47 mm
Width of sensor	104 mm
Ambient conditions	
	IP67
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+90 °C

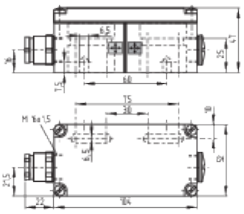
Resistant to vibration	50 g, on sine wave oscillation
Electrical data	
Voltage type	AC (alternating current)
Switching voltage, maximum	250 VAC
Switching current, maximum	3 A
Switching capacity, maximum	120 W
Switching capacity, maximum	120 VA
Switching element	bistable contact
Bounce duration, minimum	0.3 ms
Bounce duration, maximum	0.6 ms
Switching frequency	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
Notes	
Note (General)	The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets. When the switches and actuators come together, the colours must coincide: Red (S) to red (S) and green (N) to green (N).

Pictures

Photo/Product/Catalogue	
	ID: kbn20f01 | 569,4 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 Pixel - 72 dpi | 45,1 kB | .png | 74.083 x 111.125 mm - 210 x 315 Pixel - 72 dpi

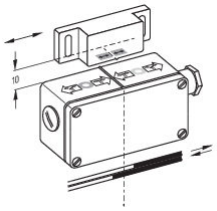
Dimension/Product/Basic



ID: 1bn20g03

| 10,8 kB | .png | 74.083 x 51.858 mm - 210 x 147 Pixel - 72 dpi
| 127,3 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 Pixel - 72 dpi
| 33,4 kB | .cdr |

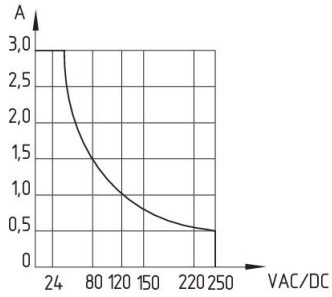
Graphic/Product/Contact



ID: 1bn20k02

| 102,6 kB | .jpg | 352.778 x 244.475 mm - 1000 x 693 Pixel - 72 dpi

Diagramm/Product/Curve



ID: kbn32d01

| 110,5 kB | .jpg | 352.425 x 371.828 mm - 999 x 1054 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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