



BN 20-11RZ

- Long life
- 2 reed contacts
- Screw connection
- Aluminium enclosure
- 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 20-11RZ
	101165310
EAN (European Article Number)	4030661208909
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	300 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 S _n)	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
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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
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Electrical data

Voltage type	AC (alternating current)
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Switching voltage, maximum	250 VAC
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Switching current, maximum	3 A
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Switching capacity, maximum	120 W
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Switching capacity, maximum	120 VA
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Switching element	Bistable contact, NC / NO
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Bounce duration, minimum	0.3 ms
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Bounce duration, maximum	0.6 ms
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Switching frequency	1,080,000 /h
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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 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

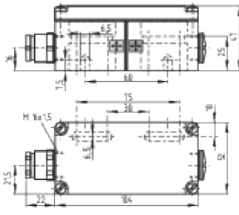
Photo/Product/Catalogue



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

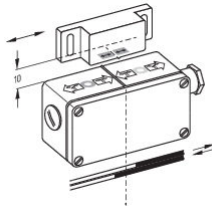
Pixel - 72 dpi

| 127,3 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701

Pixel - 72 dpi

| 33,4 kB | .cdr |

Graphic/Product/Contact

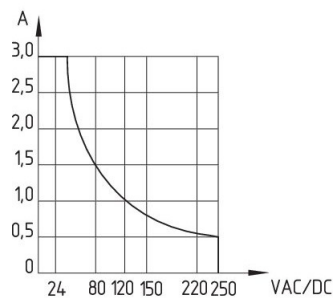


ID: 1bn20k02

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

Pixel - 72 dpi

Diagramm/Product/Curve	Diagramm	Product	Curve
1		Constant Product	Linear Curve
2		Constant Product	Linear Curve
3		Constant Product	Linear Curve
4		Constant Product	Linear Curve
5		Constant Product	Linear Curve
6		Constant Product	Linear Curve
7		Constant Product	Linear Curve
8		Constant Product	Linear Curve
9		Constant Product	Linear Curve
10		Constant Product	Linear Curve
11		Constant Product	Linear Curve
12		Constant Product	Linear Curve
13		Constant Product	Linear Curve
14		Constant Product	Linear Curve
15		Constant Product	Linear Curve
16		Constant Product	Linear Curve
17		Constant Product	Linear Curve
18		Constant Product	Linear Curve
19		Constant Product	Linear Curve
20		Constant Product	Linear Curve
21		Constant Product	Linear Curve
22		Constant Product	Linear Curve
23		Constant Product	Linear Curve
24		Constant Product	Linear Curve
25		Constant Product	Linear Curve
26		Constant Product	Linear Curve
27		Constant Product	Linear Curve
28		Constant Product	Linear Curve
29		Constant Product	Linear Curve
30		Constant Product	Linear Curve
31		Constant Product	Linear Curve
32		Constant Product	Linear Curve
33		Constant Product	Linear Curve
34		Constant Product	Linear Curve
35		Constant Product	Linear Curve
36		Constant Product	Linear Curve
37		Constant Product	Linear Curve
38		Constant Product	Linear Curve
39		Constant Product	Linear Curve
40		Constant Product	Linear Curve
41		Constant Product	Linear Curve
42		Constant Product	Linear Curve
43		Constant Product	Linear Curve
44		Constant Product	Linear Curve
45		Constant Product	Linear Curve
46		Constant Product	Linear Curve
47		Constant Product	Linear Curve
48		Constant Product	Linear Curve
49		Constant Product	Linear Curve
50			



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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