



BN 20-10Z

- Long life
- 1 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 20-10Z
	101172882
EAN (European Article Number)	4030661301761
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	285 g

General data - Features

bias magnet	Yes
Number of shutters	1

Mechanical data

Actuating panels	lateral
Active area	lateral

Actuating element	Magnet
Mechanical life, minimum	1,000,000,000 Operations
	BP 11 = 15 mm
	12 mm ... 45 mm
	2 x BP 10 = 12 mm
	2 x BP 15/2 = 12 mm
	BP 20 = 15 mm
	BP 31 = 15 mm
	BP 12 = 25 mm
	BP 21N = 20 ... 45 mm
Notice (Switch distance Sn)	Actuating distance up to 45 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

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	Normally open contact (NO)
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

2x BP 10
2x BP 15/2
BP 20
BP 31
BP 11
BP 12
BP 21 N
BE 20

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

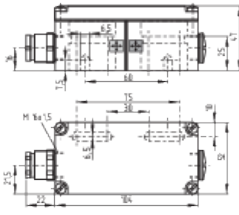


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| 569,4 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 Pixel - 72 dpi

| 45,1 kB | .png | 74.083 x 111.125 mm - 210 x 315 Pixel - 72 dpi

Dimension/Product/Basic



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| 10,8 kB | .png | 74.083 x 51.858 mm - 210 x 147

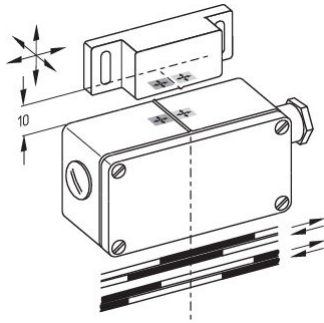
Pixel - 72 dpi

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

Pixel - 72 dpi

| 33,4 kB | .cdr |

Graphic/Product/Contact



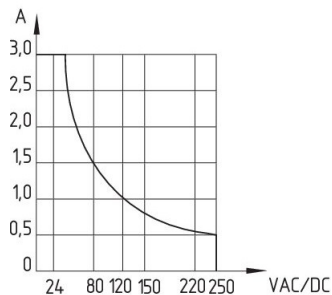
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| 66,1 kB | .cdr |

| 187,4 kB | .jpg | 352.778 x 349.25 mm - 1000 x 990

Pixel - 72 dpi

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
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89	Diagramm 89	Product 89	



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| 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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