



BN 20-01Z

- 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 20-01Z
	101172087
EAN (European Article Number)	4030661299983
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 openers	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	Opener (NC)
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

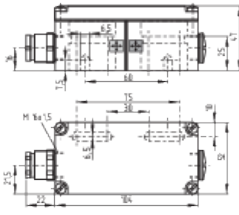


ID: kbn20f01

| 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



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

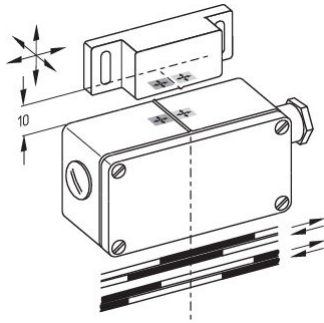
Pixel - 72 dpi

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

Pixel - 72 dpi

| 33,4 kB | .cdr |

Graphic/Product/Contact



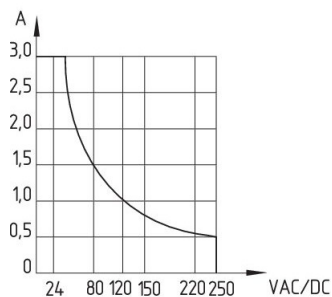
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| 66,1 kB | .cdr |

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

Pixel - 72 dpi

Diagramm/Product/Curve	Diagramm	Product	Curve
1		Product 1	Curve 1
2		Product 2	Curve 2
3		Product 3	Curve 3
4		Product 4	Curve 4
5		Product 5	Curve 5
6		Product 6	Curve 6
7		Product 7	Curve 7
8		Product 8	Curve 8
9		Product 9	Curve 9
10		Product 10	Curve 10
11		Product 11	Curve 11
12		Product 12	Curve 12
13		Product 13	Curve 13
14		Product 14	Curve 14
15		Product 15	Curve 15
16		Product 16	Curve 16
17		Product 17	Curve 17
18		Product 18	Curve 18
19		Product 19	Curve 19
20		Product 20	Curve 20
21		Product 21	Curve 21
22		Product 22	Curve 22
23		Product 23	Curve 23
24		Product 24	Curve 24
25		Product 25	Curve 25
26		Product 26	Curve 26
27		Product 27	Curve 27
28		Product 28	Curve 28
29		Product 29	Curve 29
30		Product 30	Curve 30
31		Product 31	Curve 31
32		Product 32	Curve 32
33		Product 33	Curve 33
34		Product 34	Curve 34
35		Product 35	Curve 35
36		Product 36	Curve 36
37		Product 37	Curve 37
38		Product 38	Curve 38
39		Product 39	Curve 39
40		Product 40	Curve 40
41		Product 41	Curve 41
42		Product 42	Curve 42
43		Product 43	Curve 43
44		Product 44	Curve 44
45		Product 45	Curve 45
46		Product 46	Curve 46
47		Product 47	Curve 47
48		Product 48	Curve 48
49		Product 49	Curve 49
50		Product 50	Curve 50
51			



ID: kb32d01

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

Pixel - 72 dpi

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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