



BN 20-11RZ-M16

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

Data

General data

Standards	EN IEC 60947-5-1
Working 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
Repeat accuracy R	0.3 mm
Actuating speed, maximum	18 m/s

Mechanical data - Switching distances according EN IEC 60947-5-3

Switching distance S_n	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
	BE 20N = 10 mm
	BE 20S = 10 mm

Note (Switching distance S_n) Actuating distance up to 50 mm depending on version and actuating magnet

Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
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Mechanical data - Dimensions

Length of sensor	47 mm
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Width of sensor 104 mm

Height of sensor 52 mm

Ambient conditions

Degree of protection IP67

Ambient temperature -25 ... +90 °C

Resistant to vibration 50 g, on sine wave oscillation

Electrical data

Switching voltage, maximum 250 VAC

Switching current, maximum 3 A

Switching capacity, maximum 120 W

Switching capacity, maximum 120 VA

Switching element Bistable contact, NC / NO

Bounce duration, minimum 0.3 ms

Bounce duration, maximum 0.6 ms

Switching frequency 1,080,000 /h

Electrical data - Digital Output

Design of control elements Reed contacts

Scope of delivery

Scope of delivery Actuator must be ordered separately.

Accessory

Recommendation (actuator)	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

Note

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

Product picture (catalogue individual photo)



ID: kbn20f01

| 569.4 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 px - 72 dpi

| 45.1 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi

