



BN 80-RZ

- Non-contact principle
- 1 Reed kontakts
- Long life
- Flat design
- Actuating distance up to 60 mm depending on actuating magnet and version
- 44 mm x 13 mm x 9 mm
- Thermoplastic enclosure
- Actuating surface marked by protrusion

Data

Ordering data

EAN (European Article Number)	4030661282176
eCl@ss number, Version 9.0	27-27-01-05
eCl@ss number, Version 11.0	27-27-01-05
ETIM number, version 6.0	EC002544
ETIM number, version 7.0	EC002544

General data

Active principle	Magnetic drive
Housing construction form	Block
Enclosure material	Glass-fibre, reinforced thermoplastic
Active area	Plastic
Gross weight	24.4 g

General data - Features

Latching	Yes
Number of snap-in contacts	1

Mechanical data

Actuating panels	lateral
Active area	lateral
Actuating element	Magnet
Mechanical life, minimum	1,000,000,000 Operations
Repeat accuracy R R	0.3 mm

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

Switch distance S_n	BP 10 = 2 ... 9 mm 2 x BP 10 = 2 ... 13 mm 0 mm ... 60 mm BP 6S = 4 ... 18 mm BP 7S = 6 ... 22 mm BP 10S = 10 ... 30 mm 2 x BP 10S = 12 ... 36 mm BP 15S = 12 ... 30 mm 2 x BP 15S = 13 ... 38 mm BP 34S = 20 ... 50 mm 2 x BP 34S = 22 ... 60 mm BP 20S = 10 ... 38 mm BP 31S = 12 ... 40 mm BP 11S = 10 ... 30 mm BP 12S = 10 ... 34 mm
Notice (Switch distance S_n)	Actuating distance up to 60 mm depending on version and actuating magnet

Mechanical data - Connection technique

Terminal Connector	Cable
Length of cable	1 m
Wire cross-section	0.25 mm ²
Wire cross-section	23 AWG

Material of the Cable mantle	PVC
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Mechanical data - Dimensions

Length of sensor	9 mm
Width of sensor	44 mm
Height of sensor	13 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+75 °C
Restistance to shock	15 g, on sine wave oscillation
Resistant to vibration	15 g, on sine wave oscillation

Electrical data

Voltage type	AC (alternating current) DC (direct current)
Switching voltage, maximum	250 VAC
Switching voltage, maximum	250 VDC
Switching current, maximum	0.5 A
Switching capacity, maximum	8 W
Switching capacity, maximum	10 VA
Switching element	bistable contact
Bounce duration, maximum	0.5 ms

Electrical data - Digital Output

Versions	Reed contacts
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Scope of delivery

Included in delivery

Actuators must be ordered separately.

Accessory

Recommendation (actuator)

BP 10
BP 10 S
BP 15 S
BP 34 S
BP 20 S
BP 31 S
BP 11 S
BP 12 S
BP 6 S
BP 7 S
2x BP 15 S
2x BP 34 S

Notes

Note (General)

The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets.

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532

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.

Generated on: 11/9/2021, 9:02 AM