



BN 32-R

- Non-contact principle
- 1 Reed kontakts
- Long life
- Actuating surface and direction of actuation marked by switch symbol
- 85 mm x 26 mm x 24 mm
- Thermoplastic enclosure
- Actuating distance up to 55 mm depending on actuating magnet and version
- Spade connector

Data

Ordering data

EAN (European Article Number)	4030661025209
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	60 g

General data - Features

Latching	Yes
Suitable for elevators	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
Actuating speed, maximum	18 m/s

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

Switch distance S_n	5 mm ... 55 mm
	2 x BP 21S = 20 ... 55 mm
	BP 34S = 10 ... 25 mm
	BE 20 = 20 mm
	BP 10N = 10 mm
	BP 10S = 10 mm
	2 x BP 10N = 15 mm
	2 x BP 10S = 15 mm
	BP 15N = 12 mm
	BP 15S = 12 mm
	2 x BP 15/2N = 17 mm
	2 x BP 15/2S = 17 mm
	BP 34N = 10 ... 25 mm
	BP 20N = 5 ... 20 mm
	BP 20S = 5 ... 20 mm
	BP 31N = 5 ... 20 mm
	BP 31S = 5 ... 20 mm
	BP 11N = 10 mm
	BP 11S = 10 mm
	2 x BP 11N = 20 mm
	2 x BP 11S = 20 mm
	BP 12N = 15 mm
	BP 12S = 15 mm
	2 x BP 12N = 10 ... 25 mm
	2 x BP 12S = 10 ... 25 mm
	BP 21N = 15 ... 40 mm
	BP 21S = 15 ... 40 mm
	2 x BP 21N = 20 ... 55 mm
	BE 20N = 15 mm
	BE 20S = 15 mm

Notice (Switch distance S_n) Actuating distance up to 55 mm depending on version and actuating magnet

Mechanical data - Connection technique

Terminal Connector Flat plug-in connector 4.8 mm

Mechanical data - Dimensions

Length of sensor	24 mm
Width of sensor	85 mm
Height of sensor	26 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+90 °C
Resistant to vibration	15 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
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Scope of delivery

Included in delivery	Actuators must be ordered separately.
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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

Notes

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

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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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