



## BN 325-R-1279

- Cable output left and 2 shielding plates
- Actuation from front
- 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
- Spade connector

## Data

### Ordering data

EAN (European Article Number)	4030661141299
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	rectangular
Enclosure material	Glass-fibre, reinforced thermoplastic

Gross weight 98 g

### General data - Features

Latching Yes

Suitable for elevators Yes

Number of snap-in contacts 1

### Mechanical data

Actuating panels front side

Actuating element Magnet

Mechanical life, minimum 1,000,000,000 Operations

Repeat accuracy R R 0.3 mm

Actuating speed, maximum 18 m/s

Mounting rear with 2 threaded bolts

### 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 = 17mm
	BP 34N = 10 ... 25mm
	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 actuating magnet and version. The specified switching distances are applicable for the actuation of individually mounted components without ferromagnetic influence. A change of the distance, either positive or negative, is possible due to ferromagnetic influences. The mutual interference between multiple actuating magnets must be observed.

### Mechanical data - Connection technique

Terminal Connector	Cable outlet left and 2 shielding plates
Length of cable	1 m

### Mechanical data - Dimensions

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

### **Ambient conditions**

Degree of protection	IP67
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+70 °C
Resistance to vibrations to EN 60068-2-6	10 ... 55 Hz, amplitude 1 mm
Restistance to shock	50 g / 11 ms

### **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
Bounce duration, minimum	0.3 ms
Bounce duration, maximum	0.6 ms
Switching frequency, maximum	300 Hz

### **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 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 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 BE 20 N(S) ST 24VDC BE 20 N(S) 48VDC
Recommendation (actuator, lift switchgear)	BP 10 2 x BP 15/2 2 x BP 10 BP 15 BP 34

## 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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