

BN 325-R



- Long life
- 1 Reed contacts
- Spade connector
- Actuation from front
- Non-contact principle
- 85 mm x 26 mm x 24 mm
- Thermoplastic enclosure
- Flat plug-in connector and 1 shielding plate
- Actuating surface and direction of actuation marked by switch symbol

Data

Ordering data

	BN 325-R
	101147009
EAN (European Article Number)	4030661140933
eCl@ss number, Version 9.0	27-27-01-05

General data

	BN 325
Active principle	Magnetic drive
Housing construction form	rectangular
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	45.8 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
Mounting	rear with 2 threaded bolts
Mechanical life, minimum	1,000,000,000 Operations

5 mm ... 55 mm
2 x BP 21S = 20 ... 55 mm
BP 34S = 10 ... 25 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

Notice (Switch distance Sn)	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.
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Repeat accuracy R R 0.3 mm

Actuating speed, maximum	18 m/s
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Mechanical data - Connection technique

Terminal Connector	Flat plug-in connector 4.8 mm and 1 Shielding plate
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Mechanical data - Dimensions

Height of sensor	26 mm
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Length of sensor 24 mm

Width of sensor 85 mm

Ambient conditions

IP40

Ambient temperature, minimum -25 °C

Ambient temperature, maximum +70 °C

Resistance to vibrations to EN 60068-2-6 10 ... 55 Hz, amplitude 1 mm

50 g / 11 ms

Electrical data

Switching voltage, maximum 250 VAC

Switching current, maximum 3 A

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

Scope of delivery

Included in delivery Actuators must be ordered separately.

Accessory

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
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.

Pictures

Photo/Product/Catalogue

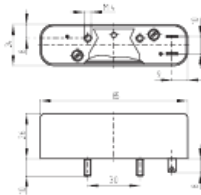
ID: kbn32f01



| 15,6 kB | .png | 74.083 x 34.219 mm - 210 x 97 Pixel
- 72 dpi

| 165,3 kB | .jpg | 352.778 x 162.631 mm - 1000 x 461
Pixel - 72 dpi

Dimension/Product/Basic



ID: 1bn32g01

| 78,5 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701

Pixel - 72 dpi

| 25,8 kB | .cdr |

| 3,8 kB | .png | 74.083 x 51.858 mm - 210 x 147 Pixel

- 72 dpi

Diagramm/Product/Travel

ID: ksbn4sx3



| 1,1 kB | .png | 74.083 x 18.697 mm - 210 x 53 Pixel -
72 dpi

| 18,0 kB | .cdr |

| 23,1 kB | .jpg | 352.778 x 88.194 mm - 1000 x 250

Pixel - 72 dpi

Diagramm/Product/Travel

ID: ksbn4sx4



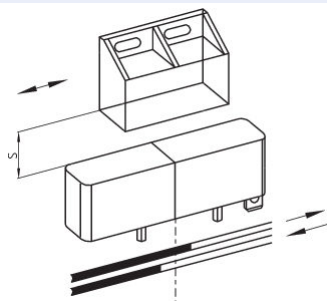
| 18,0 kB | .cdr |

| 1,1 kB | .png | 74.083 x 18.697 mm - 210 x 53 Pixel -
72 dpi

| 22,8 kB | .jpg | 352.778 x 88.194 mm - 1000 x 250

Pixel - 72 dpi

Graphic/Product/Contact



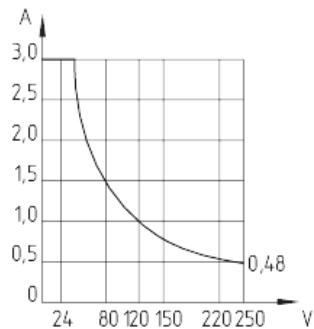
ID: kbn32b02

| 18,8 kB | .cdr |

| 135,1 kB | .jpg | 352.778 x 325.967 mm - 1000 x 924

Pixel - 72 dpi

Diagramm/Product/Curve



ID: kbn32d03

| 116,4 kB | .jpg | 352.425 x 371.828 mm - 999 x 1054
Pixel - 72 dpi

| 3,1 kB | .png | 73.731 x 77.964 mm - 209 x 221 Pixel
- 72 dpi

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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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