



## BNS 250-11Z

- Thermoplastic enclosure
- Small body
- Concealed mounting possible
- 33 mm x 25 mm x 13 mm
- Long life
- no mechanical wear
- Insensitive to transverse misalignment
- Insensitive to soiling

## Data

### Ordering data

EAN (European Article Number)	4030661049175
eCl@ss number, Version 9.0	27-27-24-02
eCl@ss number, Version 11.0	27-27-24-02
ETIM number, version 6.0	EC002544
ETIM number, version 7.0	EC002544

### Approval - Standards

Certificates	TÜV BG cULus EAC
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### General data

Standards	IEC 60947-5-3 BG-GS-ET-14
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Coding level according to ISO 14119	Low
Active principle	Magnetic drive
Installation conditions (mechanical)	not flush
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	60.2 g

### General data - Features

Prerequisite evaluation unit	Yes
Number of openers	1
Number of shutters	1
Number of cable wires	4

### Safety appraisal

Standards	EN ISO 13849-1
Mission Time	20 Year(s)

### Safety appraisal - Safety outputs

B10d- Value Normally-closed contact/Normally open contact (NC/NO)	25,000,000 Operations
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### Mechanical data

Active area	front side
Actuating element	Magnet
Direction of motion	Head-on to the active surface

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

Ensured switch distance "ON" $S_{ao}$	4 mm
Ensured switch distance "OFF" $S_{ar}$	14 mm

## Mechanical data - Connection technique

Terminal Connector	Cable
Length of cable	1 m
Wire cross-section	0.25 mm <sup>2</sup>
Wire cross-section	23 AWG
Material of the Cable mantle	PVC

## Mechanical data - Dimensions

Length of sensor	13 mm
Width of sensor	33 mm
Height of sensor	25 mm

## Ambient conditions

Degree of protection	IP67
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+70 °C
Storage and transport temperature, minimum	-25 °C
Storage and transport temperature, maximum	+70 °C
Resistance to vibrations to EN 60068-2-6	10 ... 150 Hz, amplitude 0.35 mm
Resistance to shock	30 g / 11 ms

## Electrical data

Voltage type	DC (direct current)
Switching voltage, maximum	24 VDC
Switching current, maximum	0.1 A
Switching capacity, maximum	1 W
Switching frequency, maximum	5 Hz

## Electrical data - Digital Output

Versions

Miscellaneous, Reed contacts

## Scope of delivery

Included in delivery

Actuators must be ordered separately.

## Accessory

Recommendation (actuator)

BPS 250

Recommended safety switchgear

SRB-E-301ST

SRB-E-201LC

## Notes

Note (General)

Contact symbols shown for the closed condition of the guard device.

The contact configuration for versions with or without LED is identical.

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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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