



BNS 250-12Z

- 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)	4030661050119
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	2
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 ²
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
Restistance 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.

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.

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