



BNS 33-12ZG-2187 5,0M

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

Data

Ordering data

EAN (European Article Number) 4030661126333

Approval - Standards

Certificates TÜV
cULus
EAC

General data

Standards	IEC 60947-5-3 BG-GS-ET-14
Coding level according to ISO 14119	Low
Active principle	Magnetic drive
Installation conditions (mechanical)	not flush
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	215 g

General data - Features

Integral System Diagnostics, status	Yes
Prerequisite evaluation unit	Yes
Number of openers	2
Number of shutters	1
Number of safety contacts	2
Number of cable wires	6

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

Actuating element	Magnet
Repeat accuracy R	$\leq 0.1 \times S_{ao}$
Direction of motion	Head-on to the active surface

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

Ensured switch distance "ON" S_{ao}	5 mm 8 mm
Ensured switch distance "OFF" S_{ar}	15 mm 18 mm

Mechanical data - Connection technique

Terminal Connector	Cable
Length of cable	5 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	88 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 ... 55 Hz, amplitude 1 mm
Resistance to shock	30 g / 11 ms

Electrical data

Switching current, maximum	0.01 A
Switching capacity, maximum	0.2 W
Switching frequency, maximum	5 Hz

Electrical data - Digital Output

Versions	Miscellaneous, Reed contacts
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Status indication

Note (Integral System Diagnostics, status)

The LED is illuminated when the guard is closed.

Scope of delivery

Included in delivery

Actuators must be ordered separately.

Accessory

Recommendation (actuator)

BPS 33-2326

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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