



BNS 260-02/01Z-R 5,0M

- Thermoplastic enclosure
- Small body
- Concealed mounting possible
- 26 mm x 36 mm x 13 mm
- Long life
- no mechanical wear
- Insensitive to transverse misalignment
- Insensitive to soiling

Data

Ordering data

EAN (European Article Number) 4030661362137

Approval - Standards

Certificates
TÜV
BG
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)	quasi-flush

Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	0.3 g

General data - Features

Number of openers	0
Number of shutters	3
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
---	-----------------------

Mechanical data

Actuating element	Magnet
Direction of motion	Head-on to the active surface

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

Notice (Switch distance S_n)	Axial misalignment, a horizontal and vertical misalignment of the safety sensor and the actuator are tolerated. The possible misalignment depends on the distance of the active surfaces of the sensor and the actuator. The sensor remains active within the tolerance range.
Ensured switch distance "ON" S_{a0}	5 mm
Ensured switch distance "OFF" S_{ar}	15 mm

Mechanical data - Connection technique

Terminal Connector	Cable
Length of cable	5 m
Wire cross-section	0.25 mm ²
Material of the Cable mantle	PVC

Mechanical data - Dimensions

Length of sensor	13 mm
Width of sensor	26 mm
Height of sensor	36 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	0.4 A
Switching capacity, maximum	10 VA
Switching frequency, maximum	5 Hz

Scope of delivery

Included in delivery

Actuators must be ordered separately.

Accessory

Recommendation (actuator)	BPS 260
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.
Generated on: 11/9/2021, 11:17 AM