



BNS 260-02Z-R 2,0M

- Pre-wired cable
- 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

Product type description	BNS 260-02Z-R 2,0M
Article number (order number)	101210711
EAN (European Article Number)	4030661387482
eCl@ss number, version 12.0	27-27-44-01
eCl@ss number, version 11.0	27-27-24-02
eCl@ss number, version 9.0	27-27-24-02
ETIM number, version 7.0	EC002544
ETIM number, version 6.0	EC002544

Approvals - Standards

Certificates	cULus
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General data

Standards	BG-GS-ET-14 EN IEC 60947-5-3
Coding level according to EN ISO 14119	Low
Working principle	Magnetic drive
Installation conditions (mechanical)	quasi-flush
Housing material	Glass-fibre, reinforced thermoplastic
Gross weight	105 g

General data - Features

Coding	Yes
Number of normally closed (NC)	2
Number of safety contacts	2
Number of cable wires	4

Safety classification

Vorschriften	EN ISO 13849-1
Mission time	20 Year(s)

Safety classification - Safety outputs

B _{10D} Normally-closed contact (NC)	25,000,000 Operations
B _{10D} - Value Normally-closed contact/Normally open contact (NC/NO)	25,000,000 Operations

Mechanical data

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

Mechanical data - Switching distances

Note (Switching 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.
Assured switching distance "ON" S_{ao}	5 mm
Assured switching distance "OFF" S_{ar}	15 mm
Note (switching distance)	All switching distances in accordance EN IEC 60947-5-3

Mechanical data - Connection technique

Length of cable	2 m
Termination	cable
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	26 mm
Height of sensor	36 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature	-25 ... +70 °C
Storage and transport temperature	-25 ... +70 °C
Resistance to vibrations	10 ... 55 Hz, amplitude 1 mm
Resistance to shock	30 g / 11 ms

Ambient conditions - Insulation values

Rated insulation voltage U_i	50 VAC
Rated impulse withstand voltage U_{imp}	0.8 kV

Electrical data

Required rated short-circuit current	100 A
Switching voltage, maximum	75 VDC
Switching current, maximum	0.4 A
Switching capacity, maximum	10 VA
Switching element	2 NC contact
Switching frequency, maximum	5 Hz

Scope of delivery

Scope of delivery	Actuator must be ordered separately.
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Accessory

Recommendation (actuator)	BPS 260
Recommended safety switchgear	SRB-E-301ST SRB-E-201LC

Note

Note (General)

Contact symbols shown for the closed condition of the guard device.
The contact configuration for versions with or without LED is identical.

Wiring example

Note (Wiring diagram)

The contacts S11-S12 and S21-S22 must be integrated in the safety circuit.

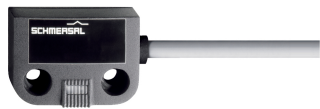
Ordering code

Product type description:
BNS 260-(1)(2)Z(3)-(4)-(5)

(1)		
11		1 NO contact/1 NC contact
02		2 NC contact
(2)		
without		without diagnostic output
/01		1 NC contact
(3)		
without		without LED switching conditions display
G		with LED switching conditions display
(4)		
without		Pre-wired cable
ST		with connector
(5)		
L		Door hinge on left-hand side
R		Door hinge on right-hand side

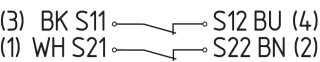
Pictures

Product picture (catalogue individual photo)



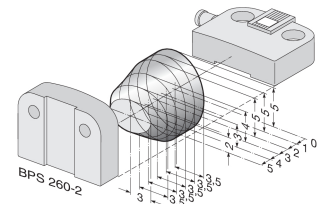
ID: kbns2f28
| 121.6 kB | .jpg | 352.778 x 123.119 mm - 1000 x 349 px - 72 dpi
| 17.3 kB | .png | 74.083 x 25.753 mm - 210 x 73 px - 72 dpi
| 17.3 kB | .png | 74.083 x 25.753 mm - 210 x 73 px - 72 dpi

Diagram



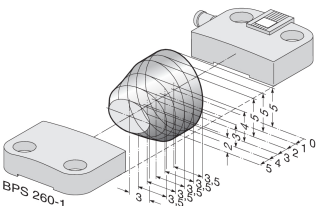
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| 56.8 kB | .jpg | 352.778 x 70.203 mm - 1000 x 199 px - 72 dpi
| 2.6 kB | .png | 74.083 x 14.817 mm - 210 x 42 px - 72 dpi

Characteristic curve



ID: kbns2d03
| 18.5 kB | .png | 74.083 x 49.036 mm - 210 x 139 px - 72 dpi
| 200.1 kB | .jpg | 352.778 x 233.892 mm - 1000 x 663 px - 72 dpi

Characteristic curve



ID: kbns2d02
| 19.2 kB | .png | 74.083 x 49.389 mm - 210 x 140 px - 72 dpi
| 200.9 kB | .jpg | 352.778 x 235.303 mm - 1000 x 667 px - 72 dpi