



## BNS 260-02/01Z-R 10,0M

- 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

Product type description	BNS 260-02/01Z-R 10,0M
Article number (order number)	101207906
EAN (European Article Number)	4030661372921
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 UKCA
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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	420 g

### General data - Features

Coding	Yes
Number of normally closed (NC)	3
Number of safety contacts	2
Number of cable wires	6

### Safety classification

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

### Safety classification - Safety outputs

B <sub>10D</sub> Normally-closed contact (NC)	25,000,000 Operations
B <sub>10D</sub> - 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 according EN IEC 60947-5-3

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

## Mechanical data - Connection technique

Length of cable	10 m
Termination	Cable
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	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 3 NC contact

Switching frequency,  
maximum 5 Hz

## Scope of delivery

Scope of delivery Actuator must be ordered separately.

## 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.

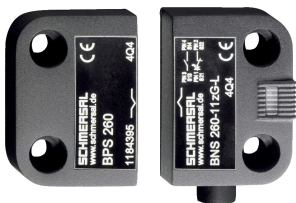
## Ordering code

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

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

## Pictures

### Product picture (catalogue individual photo)



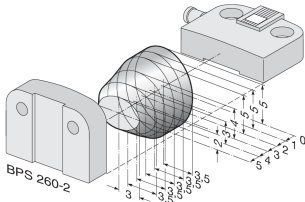
ID: kbns2f24

| 422.9 kB | .jpg | 352.778 x 287.161 mm - 1000 x 814 px - 72 dpi

| 42.2 kB | .png | 74.083 x 60.325 mm - 210 x 171 px - 72 dpi

| 60.8 kB | .jpg | 123.472 x 100.542 mm - 350 x 285 px - 72 dpi

### Characteristic curve

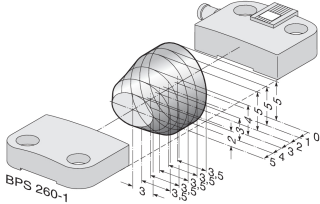


ID: kbns2d03

| 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

Schmersal India Pvt. Ltd., Plot No - G-7/1, Ranjangaon MIDC, Tal. - Shirur, Dist.- Pune 412 220

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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