



BNS 260-02Z-ST-R-2750

- 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-ST-R-2750
Article number (order number)	103027183
EAN (European Article Number)	4030661519579
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	18 g

General data - Features

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

Safety classification

Standards	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
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}	8 mm
Assured switching distance "OFF" S_{ar}	18 mm

Mechanical data - Connection technique

Termination	Connector M8, 4-pole, A-coded
Tightening torque of electrical connection	0.3 Nm

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	75 VDC
Rated impulse withstand voltage U_{imp}	0.8 kV

Electrical data

Required rated short-circuit current	100 A
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.
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Wiring example

Note (Wiring diagram)	The contacts S11-S12 and S21-S22 must be integrated in the safety circuit.
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Ordering code

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

(1)

11	1 NO contacts/1 NC contact
02	2 NC contact

(2)

without

with 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)



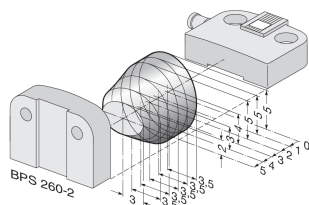
ID: kbns2f05

| 533.2 kB | .jpg | 352.778 x 287.161 mm - 1000 x 814 px - 72 dpi

| 42.7 kB | .png | 74.083 x 60.325 mm - 210 x 171 px - 72 dpi

| 64.3 kB | .jpg | 123.472 x 100.542 mm - 350 x 285 px - 72 dpi

Characteristic curve

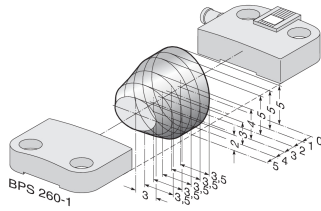


ID: kbns2d03

| 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

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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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