

BNS 260-02/01ZG-R



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

Data

Ordering data

	BNS 260-02/01ZG-R
	101184374
EAN (European Article Number)	4030661321721
eCl@ss number, Version 9.0	27-27-24-02

Approval - Standards

TÜV
cULus
EAC

General data

	BNS 260
	IEC 60947-5-3
	BG-GS-ET-14
Installation conditions (mechanical)	quasi-flush
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	55 g

General data - Features

Coding	Yes
--------	-----

Integral System	Yes
Diagnostics, status	
Number of openers	3
Number of safety contacts	2
Number of cable wires	6

Safety appraisal

	ISO 13849-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	25,000,000 Operations
-----------------------------------	-----------------------

Mechanical data

Actuating element	Magnet
Door hinge	Right
Ensured switch distance "ON" S_{ao}	5 mm
Ensured switch distance "OFF" S_{ar}	15 mm
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.
Direction of motion	Head-on to the active surface

Mechanical data - Connection technique

Terminal Connector	Cable
Length of cable	1 m
Wire cross-section	0.3 mm ²
	PVC

Mechanical data - Dimensions

Height of sensor	36 mm
Length of sensor	13 mm
Width of sensor	26 mm

Ambient conditions

	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 30 g / 11 ms

Electrical data

Voltage type	DC (direct current)
Switching voltage, maximum	24 VDC
Switching current, maximum	0 A
Switching capacity, maximum	0.2 W
Switching frequency, maximum	5 Hz

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

BPS 260
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.
----------------	---

Circuit 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 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

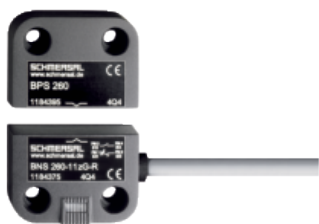
(5)

L Door hinge on left-hand side

R Door hinge on right-hand side

Pictures

Photo/Product/Catalogue



ID: kbns2f23

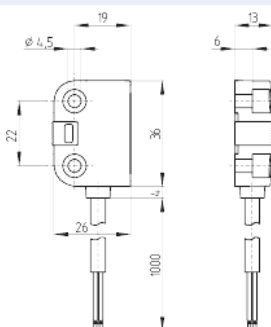
| 25,0 kB | .png | 74.083 x 51.858 mm - 210 x 147

Pixel - 72 dpi

| 314,7 kB | .jpg | 352.778 x 246.239 mm - 1000 x 698

Pixel - 72 dpi

Dimension/Product/Basic



ID: kbns2g05

| 131,1 kB | .jpg | 352.425 x 417.336 mm - 999 x 1183

Pixel - 72 dpi

| 37,3 kB | .cdr |

| 4,5 kB | .png | 73.731 x 87.489 mm - 209 x 248 Pixel
- 72 dpi

Graphic/Product/Contact

(3) GY S11 → S12 PK (4)
(1) GN S21 → S22 YE (2)
(5) WH S31 → S32 BN (6)

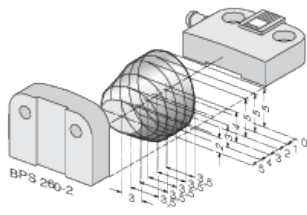
ID: kbns2k02

| 87,9 kB | .jpg | 352.778 x 85.372 mm - 1000 x 242

Pixel - 72 dpi

| 19,4 kB | .cdr |

Diagramm/Product/Curve



ID: kbns2d03

| 200,1 kB | .jpg | 352.778 x 233.892 mm - 1000 x 663

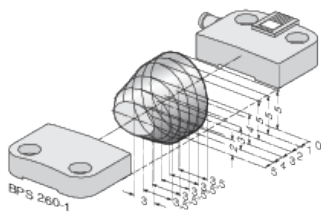
Pixel - 72 dpi

| 18,5 kB | .png | 74.083 x 49.036 mm - 210 x 139

Pixel - 72 dpi

| 36,8 kB | .cdr |

Diagramm/Product/Curve



ID: kbns2d02

| 200,9 kB | .jpg | 352.778 x 235.303 mm - 1000 x 667

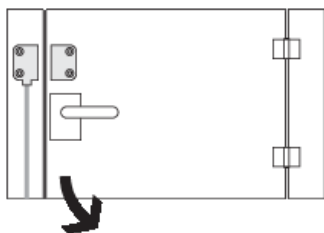
Pixel - 72 dpi

| 19,2 kB | .png | 74.083 x 49.389 mm - 210 x 140

Pixel - 72 dpi

| 36,3 kB | .cdr |

Graphic/Clipart



ID: kbns2c01

| 1,7 kB | .png | 74.083 x 52.564 mm - 210 x 149 Pixel

- 72 dpi

| 20,1 kB | .cdr |

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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 402021-01-31T06:40:40+01:000601Europe/BerlinSun, 31 Jan 2021 06:40:40

+010040amSunday.31am31Europe/BerlinCET4001Europe/BerlinJanuary2021Sun, 31 Jan 2021 06:40:40

+010001am31