

## BNS260-02ZG-ST-L



- Long life
- Small body
- no mechanical wear
- 26 mm x 36 mm x 13 mm
- Insensitive to soiling
- Thermoplastic enclosure
- Connector M8 x 1, 4-pole
- Concealed mounting possible
- Insensitive to transverse misalignment

### Data

#### Ordering data

Product type description	BNS 260-02ZG-ST-L
Article number (order number)	101184381
EAN (European Article Number)	4030661321806
eCl@ss number, Version 9.0	27-27-24-02

#### Certifications

Certificates	DGUV
	TÜV
	cULus
	EAC

#### General data

Product name	BNS 260
Standards	IEC 60947-5-3 BG-GS-ET-14
Installation conditions (mechanical)	quasi-flush
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	15 g

## General data - Features

Coding	Yes
Integral System	Yes
Diagnostics, status	
Number of openers	2
Number of safety contacts	2

## Safety appraisal

Standards	ISO 13849-1
Mission Time	20 Year(s)

## Safety appraisal - Safety outputs

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

Actuating element	Magnet
Door hinge	Left
Ensured switch distance "ON" $S_{ao}$	5 mm
Ensured switch distance "OFF" $S_{ar}$	15 mm
	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	Connector M8
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## Mechanical data - Dimensions

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

## Ambient conditions

Protection class	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

Voltage type	DC (direct current)
Switching voltage, maximum	24 VDC
Switching current, maximum	0.01 A
Switching capacity, maximum	0.24 W
Switching frequency, maximum	5 Hz

### Status indication

Note (Integral System Diagnostics, status )	The LED is illuminated when the guard is closed.
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### Scope of delivery

Included in delivery	Actuators must be ordered separately.
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### Accessory

Recommendation (actuator)	BPS 260 SRB-E-301ST SRB-E-201LC
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### Notes

Note (General)	The number in brackets indicate the PIN number of the connector.
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### Circuit example

Note (Wiring diagram)	Contact S21-S22 and S11-S12 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: kbns2f04

| 42,3 kB | .png | 74.083 x 60.325 mm - 210 x 171

Pixel - 72 dpi

| 63,6 kB | .jpg | 27.093 x 22.013 mm - 320 x 260 Pixel

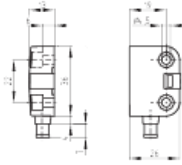
- 300 dpi

| 540,4 kB | .jpg | 352.778 x 287.161 mm - 1000 x 814

Pixel - 72 dpi

## Dimensional drawing basic component

ID: 1bns2g06



| 65,1 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695  
Pixel - 72 dpi

| 18,6 kB | .jpg | 112.889 x 78.317 mm - 320 x 222  
Pixel - 72 dpi

| 3,1 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel  
- 72 dpi

| 25,6 kB | .cdr |

## Diagram

ID: kbns2k01

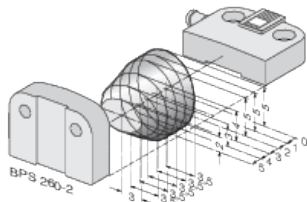


| 18,6 kB | .cdr |

| 17,1 kB | .jpg | 112.889 x 18.344 mm - 320 x 52 Pixel  
- 72 dpi

## Characteristic curve

ID: kbns2d03



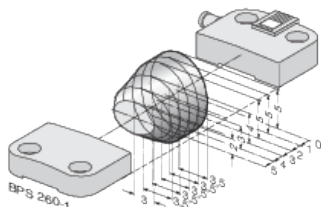
| 36,8 kB | .cdr |

| 40,4 kB | .jpg | 112.889 x 74.789 mm - 320 x 212  
Pixel - 72 dpi

| 18,5 kB | .png | 74.083 x 49.036 mm - 210 x 139  
Pixel - 72 dpi

## Characteristic curve

ID: kbns2d02

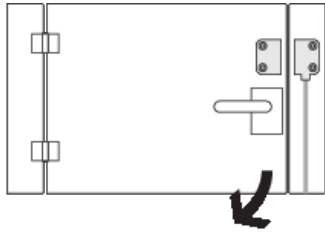


| 19,2 kB | .png | 74.083 x 49.389 mm - 210 x 140  
Pixel - 72 dpi

| 40,8 kB | .jpg | 112.889 x 75.142 mm - 320 x 213  
Pixel - 72 dpi

| 36,3 kB | .cdr |

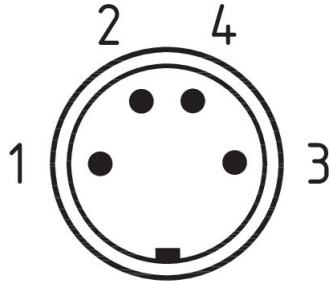
## Clipart



ID: kbns2c02

| 1,8 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel  
- 72 dpi  
| 19,6 kB | .cdr |

### Contact arrangement



ID: km8--k4b

| 17,0 kB | .cdr |

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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.

Generated on 08.07.2020 19:10:05