



## BNS 260-02ZG-ST-R

- Connector M8 x 1, 4-pole
- 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 260-02ZG-ST-R
Article number (order number)	101184365
EAN (European Article Number)	4030661321622
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	33 g

### General data - Features

Coding	Yes
Integral system diagnostics, general	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 <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

Termination Connector M8

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 voltage, maximum 24 VDC

Switching current, maximum 0.01 A

Switching capacity, maximum 0.24 W

Switching element 2 NC contact

Switching frequency,  
maximum 5 Hz

## Status indication

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

## 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) The number in brackets indicate the PIN number of the connector.

## 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: kbns2f05

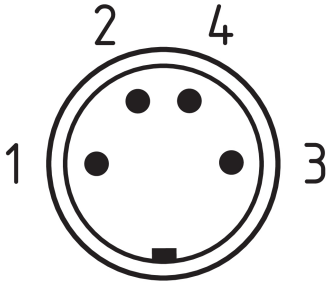
| 533.2 kB | .jpg | 352.778 x 287.161 mm - 1000 x 814 px - 72 dpi

| 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



## Contact arrangement



ID: km8--k4b

| 17.0 kB | .cdr |

| 4.3 kB | .png | 74.083 x 73.025 mm - 210 x 207 px - 72 dpi

| 110.6 kB | .jpg | 352.778 x 347.133 mm - 1000 x 984 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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