

## BNS 260-02ZG-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

|                               |                   |
|-------------------------------|-------------------|
|                               | BNS 260-02ZG-ST-L |
|                               | 101184381         |
| EAN (European Article Number) | 4030661321806     |
| 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                         | 32.5 g                                |

#### General data - Features

|        |     |
|--------|-----|
| Coding | Yes |
|--------|-----|

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

### 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                             | Left                                                                                                                                                                                                                                                                           |
| 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 | Connector M8 |
|--------------------|--------------|

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

### 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: kbns2f05

| 42,7 kB | .png | 74.083 x 60.325 mm - 210 x 171

Pixel - 72 dpi

| 533,2 kB | .jpg | 352.778 x 287.161 mm - 1000 x 814

Pixel - 72 dpi

### Dimension/Product/Basic



ID: 1bns2g06

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

Pixel - 72 dpi

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

| 25,6 kB | .cdr |

## Graphic/Product/Contact

(3) BK S11 → S12 BU (4)  
(1) WH S21 → S22 BN (2)

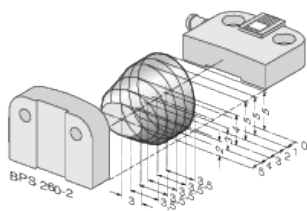
ID: kbns2k01

| 60,6 kB | .jpg | 352.778 x 57.503 mm - 1000 x 163

Pixel - 72 dpi

| 18,6 kB | .cdr |

## Diagramm/Product/Curve



ID: kbns2d03

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

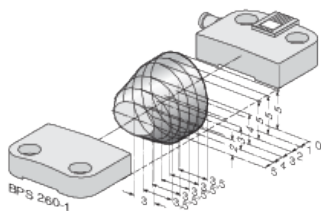
Pixel - 72 dpi

| 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

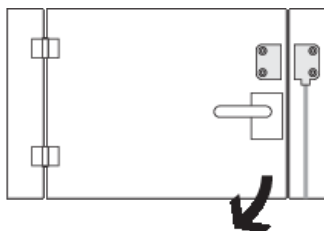
Pixel - 72 dpi

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

Pixel - 72 dpi

| 36,3 kB | .cdr |

## Graphic/Clipart

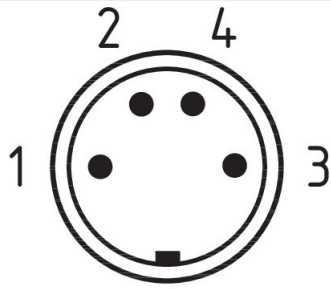


ID: kbns2c02

| 19,6 kB | .cdr |

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

## Graphic/Product/PIN



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.

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