

## BNS 36-02/01ZG-ST-R



- Long life
- no mechanical wear
- 88 mm x 25 mm x 13 mm
- Insensitive to soiling
- Thermoplastic enclosure
- Concealed mounting possible
- Insensitive to transverse misalignment
- Connector 8 mm, 6-pole, Latching interlocking

### Data

#### Ordering data

|                               |                     |
|-------------------------------|---------------------|
|                               | BNS 36-02/01ZG-ST-R |
|                               | 101193290           |
| EAN (European Article Number) | 4030661359977       |
| eCI@ss number, Version 9.0    | 27-27-24-02         |

#### Approval - Standards

TÜV  
cULus  
EAC

#### General data

|                                      |                                       |
|--------------------------------------|---------------------------------------|
|                                      | BNS 36                                |
|                                      | IEC 60947-5-3                         |
|                                      | BG-GS-ET-14                           |
| Installation conditions (mechanical) | quasi-flush                           |
| Enclosure material                   | Glass-fibre, reinforced thermoplastic |
| Gross weight                         | 37.3 g                                |

#### General data - Features

|                     |     |
|---------------------|-----|
| Coding              | Yes |
| Integral System     | Yes |
| Diagnostics, status |     |

|                           |   |
|---------------------------|---|
| Number of openers         | 3 |
| 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                             | Right                                                                                                                                                                                                                                                                          |
| Ensured switch distance "ON" $S_{ao}$  | 7 mm                                                                                                                                                                                                                                                                           |
| Ensured switch distance "OFF" $S_{ar}$ | 17 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 8 mm, 6-pole, Latching interlocking |
|--------------------|-----------------------------------------------|

### Mechanical data - Dimensions

|                  |       |
|------------------|-------|
| Height of sensor | 25 mm |
| Length of sensor | 13 mm |
| Width of sensor  | 88 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,<br>maximum   | 30 VDC              |
| Switching current,<br>maximum   | 0 A                 |
| Switching capacity,<br>maximum  | 0.2 W               |
| Switching frequency,<br>maximum | 5 Hz                |

**Status indication**

|                                                |                                                  |
|------------------------------------------------|--------------------------------------------------|
| Note (Integral System<br>Diagnostics, status ) | The LED is illuminated when the guard is closed. |
|------------------------------------------------|--------------------------------------------------|

**Scope of delivery**

|                      |                                       |
|----------------------|---------------------------------------|
| Included in delivery | Actuators must be ordered separately. |
|----------------------|---------------------------------------|

**Accessory**

BPS 36-2

SRB-E-301ST

SRB-E-201LC

**Notes**

|                |                                                                  |
|----------------|------------------------------------------------------------------|
| Note (General) | The number in brackets indicate the PIN number of the connector. |
|----------------|------------------------------------------------------------------|

**Ordering code**

Product type description:

BNS 36-(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

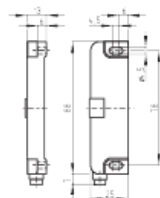


ID: kbns3f16

| 23,4 kB | .png | 74.083 x 23.989 mm - 210 x 68 Pixel  
- 72 dpi

| 285,3 kB | .jpg | 352.778 x 115.006 mm - 1000 x 326  
Pixel - 72 dpi

### Dimension/Product/Basic



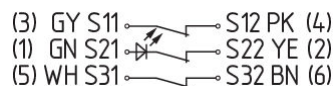
ID: 1bns3g14

| 60,6 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695  
Pixel - 72 dpi

| 24,1 kB | .cdr |

| 3,0 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel  
- 72 dpi

### Graphic/Product/Contact

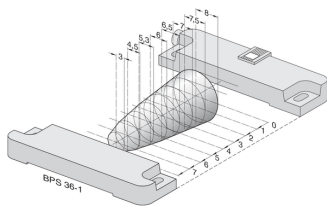


ID: kbns2k02

| 87,9 kB | .jpg | 352.778 x 85.372 mm - 1000 x 242  
Pixel - 72 dpi

| 19,4 kB | .cdr |

### Diagramm/Product/Curve



ID: kbns3a29

| 110,2 kB | .png | 50.038 x 30.649 mm - 591 x 362

Pixel - 300 dpi

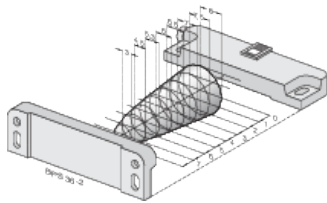
| 165,7 kB | .jpg | 352.778 x 215.9 mm - 1000 x 612

Pixel - 72 dpi

| 165,7 kB | .jpg | 352.778 x 215.9 mm - 1000 x 612

Pixel - 72 dpi

### Diagramm/Product/Curve



ID: kbns3a30

| 41,1 kB | .cdr |

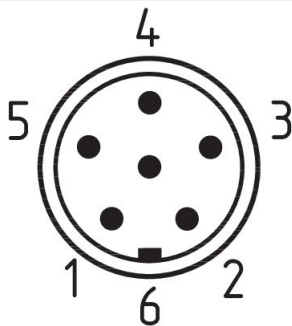
| 164,2 kB | .jpg | 352.778 x 215.547 mm - 1000 x 611

Pixel - 72 dpi

| 16,9 kB | .png | 74.083 x 45.156 mm - 210 x 128

Pixel - 72 dpi

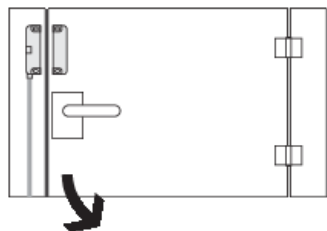
### Graphic/Product/PIN



ID: km8--k6b

| 17,4 kB | .cdr |

### Illustration/Product/Function



ID: kbn36c01

| 1,8 kB | .png | 74.083 x 52.564 mm - 210 x 149 Pixel

- 72 dpi

| 52,3 kB | .jpg | 352.778 x 250.825 mm - 1000 x 711

Pixel - 72 dpi

| 20,2 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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