

## BNS 36-11Z-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

### Data

#### Ordering data

|                               |               |
|-------------------------------|---------------|
|                               | BNS 36-11Z-R  |
|                               | 101193120     |
| EAN (European Article Number) | 4030661359731 |
| eCl@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<br>(mechanical) | quasi-flush                           |
| Enclosure material                      | Glass-fibre, reinforced thermoplastic |
| Gross weight                            | 65.5 g                                |

#### General data - Features

|                           |     |
|---------------------------|-----|
| Coding                    | Yes |
| Number of openers         | 1   |
| Number of shutters        | 1   |
| Number of safety contacts | 2   |
| Number of cable wires     | 4   |

## Safety appraisal

ISO 13849-1

Mission Time 20 Year(s)

## Safety appraisal - Safety outputs

B10d- Value Normally-closed  
contact/Normally open contact 25,000,000 Operations  
(NC/NO)

## Mechanical data

|                                 |                                                                                                                                                                                                                                                                                |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Actuating element               | Magnet                                                                                                                                                                                                                                                                         |
| Door hinge                      | Right                                                                                                                                                                                                                                                                          |
| Ensured switch distance "ON" S  | 7 mm                                                                                                                                                                                                                                                                           |
| ao                              |                                                                                                                                                                                                                                                                                |
| Ensured switch distance "OFF" S | 17 mm                                                                                                                                                                                                                                                                          |
| ar                              |                                                                                                                                                                                                                                                                                |
| Notice (Switch distance Sn)     | 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 <sup>2</sup> |
| Wire cross-section | 30 AWG              |
|                    | PVC                 |

## 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, maximum      75 VDC  
Switching current, maximum      0.4 A  
Switching capacity, maximum      10 W  
Switching frequency, maximum      5 Hz

#### Scope of delivery

Included in delivery      Actuators must be ordered separately.

#### Accessory

BPS 36-2  
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.

#### 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)

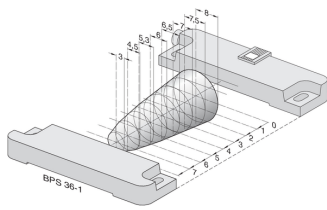
**without** without LED switching conditions display

**G**      with LED switching conditions display

(4)

**without** Pre-wired cable

**Diagramm/Product/Curve**



ID: kbns3a29

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

Pixel - 300 dpi

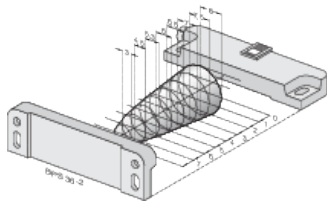
| 165,7 kB | .jpg | 352.778 x 215.9 mm - 1000 x 612

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 |

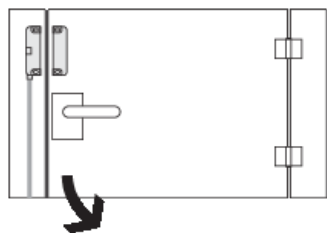
| 164,2 kB | .jpg | 352.778 x 215.547 mm - 1000 x 611

Pixel - 72 dpi

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

Pixel - 72 dpi

## 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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