

## BNS 36-11Z-L



- 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-L

101193125

EAN (European Article Number) 4030661359748

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  
(mechanical)

quasi-flush

Enclosure material

Glass-fibre, reinforced thermoplastic

Gross weight

65 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 Left

Ensured switch distance "ON" S 7 mm

ao

Ensured switch distance "OFF" S 17 mm

ar

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 Cable

Length of cable 1 m

Wire cross-section  $0.3 \text{ mm}^2$

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

**ST** with connector

(5)

**L** Door hinge on left-hand side

**R** Door hinge on right-hand side

**Pictures**

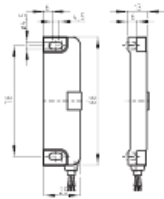
**Photo/Product/Catalogue**



ID: kbns3f34

| 16,4 kB | .png | 74.083 x 19.756 mm - 210 x 56 Pixel  
- 72 dpi  
| 208,0 kB | .jpg | 352.778 x 93.133 mm - 1000 x 264  
Pixel - 72 dpi

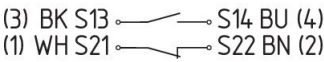
**Dimension/Product/Basic**



ID: 1bns3g13

| 62,4 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695  
Pixel - 72 dpi  
| 3,2 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel  
- 72 dpi  
| 25,5 kB | .cdr |

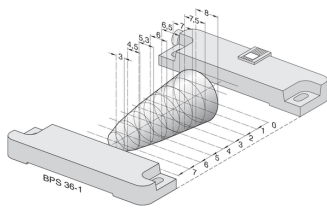
**Graphic/Product/Contact**



ID: kbns2k27

| 56,4 kB | .jpg | 352.778 x 70.203 mm - 1000 x 199  
Pixel - 72 dpi

**Diagramm/Product/Curve**



ID: kbns3a29

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

Pixel - 300 dpi

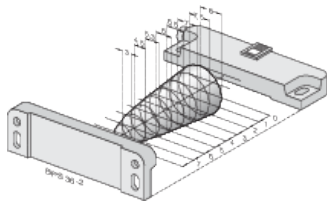
| 165,7 kB | .jpg | 352.778 x 215.9 mm - 1000 x 612

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 |

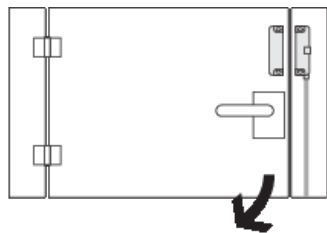
| 164,2 kB | .jpg | 352.778 x 215.547 mm - 1000 x 611

Pixel - 72 dpi

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

Pixel - 72 dpi

### Illustration/Product/Function



ID: kbn36c02

| 52,8 kB | .jpg | 352.778 x 248.356 mm - 1000 x 704

Pixel - 72 dpi

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

- 72 dpi

| 20,3 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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