

## BNS 33-11ZG-ST



- Long life
- LED version
- no mechanical wear
- 88 mm x 25 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 33-11ZG-ST |
|                               | 101146423      |
| EAN (European Article Number) | 4030661138800  |
| eCl@ss number, Version 9.0    | 27-27-24-02    |

#### Approval - Standards

TÜV  
cULus  
EAC

#### General data

|                                      |                                       |
|--------------------------------------|---------------------------------------|
|                                      | BNS 33                                |
|                                      | IEC 60947-5-3                         |
|                                      | BG-GS-ET-14                           |
| Installation conditions (mechanical) | not flush                             |
| Enclosure material                   | Glass-fibre, reinforced thermoplastic |
| Gross weight                         | 42 g                                  |

#### General data - Features

|                                     |     |
|-------------------------------------|-----|
| Integral System Diagnostics, status | Yes |
| Prerequisite evaluation unit        | Yes |
| Number of openers                   | 1   |
| Number of shutters                  | 1   |

## Safety appraisal

ISO 13849-1

Mission Time

20 Year(s)

## Safety appraisal - Safety outputs

B10d- Value Normally-closed contact/Normally open contact (NC/NO)

25,000,000 Operations

## Mechanical data

Active area

lateral

Actuating element

Magnet

Ensured switch distance "ON"  $S_{ao}$

8 mm

Ensured switch distance "OFF"  $S_{ar}$

18 mm

Repeat accuracy  $R$

$\leq 0.1 \times S_{ao}$

Direction of motion

Head-on to the active surface

## Mechanical data - Connection technique

Terminal Connector

Connector M8

## 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

24 VDC

Switching current, maximum

0 A

Switching capacity, maximum

0.2 W

Switching frequency, maximum

5 Hz

## Electrical data - Digital Output

Versions

Miscellaneous, Reed contacts

## Status indication

Note (Integral System Diagnostics, status )

The LED is illuminated when the guard door is open.

## Scope of delivery

Included in delivery

Actuators must be ordered separately.

## Accessory

BPS 33-2326

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 33-(1)Z(2)-(3)-(4)

(1)

**02** 2 NC contact

**11** 1 NO contacts/1 NC contact

**12** 1 NO contact/2 NC contacts

(2)

**without** without LED switching conditions display

**G** with LED switching conditions display

(3)

**without** with cable

**ST** with connector M8

(4)

**2187** Individual contact outlet

**2187-10** Individual contact outlet with LED

**2237** Actuation from cable direction

## Pictures

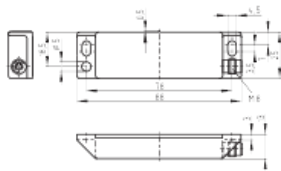
### Photo/Product/Catalogue



ID: kbns3f21

| 129,8 kB | .jpg | 232.833 x 105.481 mm - 660 x 299  
Pixel - 72 dpi  
| 23,0 kB | .png | 74.083 x 33.514 mm - 210 x 95 Pixel  
- 72 dpi

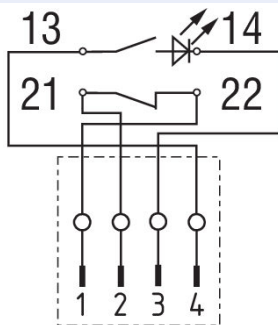
### Dimension/Product/Basic



ID: 1bns3g06

| 80,9 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703  
Pixel - 72 dpi  
| 3,9 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel  
- 72 dpi  
| 93,7 kB | .cdr |

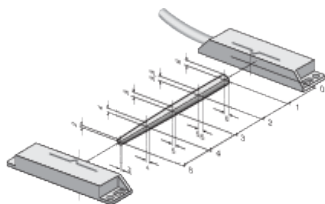
### Graphic/Product/Contact



ID: kbns3k18

| 24,6 kB | .cdr |  
| 115,2 kB | .jpg | 352.778 x 403.578 mm - 1000 x  
1144 Pixel - 72 dpi

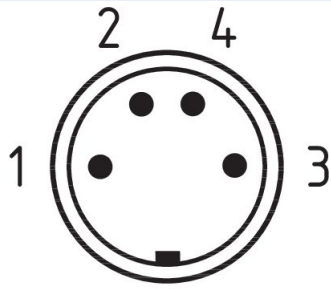
### Diagramm/Product/Curve



ID: kbns3a01

| 13,1 kB | .png | 74.083 x 45.508 mm - 210 x 129  
Pixel - 72 dpi  
| 96,3 kB | .cdr |  
| 124,5 kB | .jpg | 352.778 x 216.253 mm - 1000 x 613  
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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