

BNS 33-02ZG-2187



- Long life
- LED version
- no mechanical wear
- 88 mm x 25 mm x 13 mm
- Insensitive to soiling
- Thermoplastic enclosure
- Individual contact outlet
- Concealed mounting possible
- Insensitive to transverse misalignment

Data

Ordering data

	BNS 33-02ZG-2187
	101128793
EAN (European Article Number)	4030661049649
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	61 g

General data - Features

Coding	Yes
Integral System Diagnostics, status	Yes
Prerequisite evaluation unit	Yes
Number of openers	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

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

Cable

Length of cable

1 m

Wire cross-section

0.3 mm²

Wire cross-section

23 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

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
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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.
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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

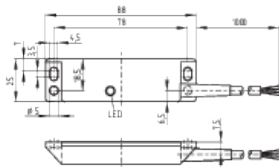
Photo/Product/Catalogue

ID: kbns3f22



| 145,7 kB | .jpg | 352.778 x 78.317 mm - 1000 x 222
Pixel - 72 dpi
| 11,8 kB | .png | 74.083 x 16.581 mm - 210 x 47 Pixel
- 72 dpi

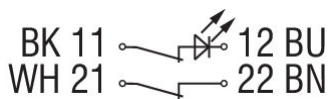
Dimension/Product/Basic



ID: 1bns3g03

| 88,2 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703
Pixel - 72 dpi
| 37,7 kB | .cdr |
| 7,4 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel
- 72 dpi

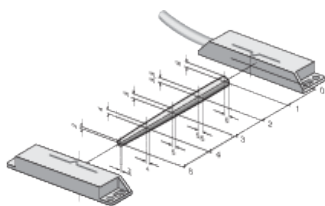
Graphic/Product/Contact



ID: k1o1sk20

| 19,4 kB | .cdr |
| 60,7 kB | .jpg | 352.778 x 102.658 mm - 1000 x 291
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

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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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