

BNS 33-12Z-2187



- Long life
- 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 33-12Z-2187
	101128195
EAN (European Article Number)	4030661026794
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	65 g

General data - Features

Coding	Yes
Prerequisite evaluation unit	Yes
Number of openers	2
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

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

AC (alternating current)

DC (direct current)

Switching voltage, maximum

100 VAC

Switching voltage, maximum	100 VDC
Switching current, maximum	0.3 A
Switching capacity, maximum	3 W
Switching frequency, maximum	5 Hz

Electrical data - Digital Output

Versions	Miscellaneous, Reed contacts
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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.
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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

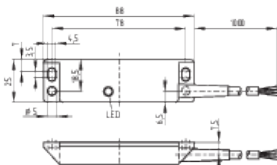
Pictures

Photo/Product/Catalogue



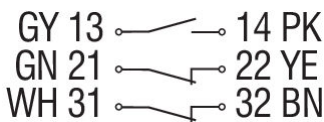
ID: kbns3f22
| 145,7 kB | .jpg | 352.778 x 78.317 mm - 1000 x 222 Pixel - 72 dpi
| 11,8 kB | .png | 74.083 x 16.581 mm - 210 x 47 Pixel - 72 dpi

Dimension/Product/Basic



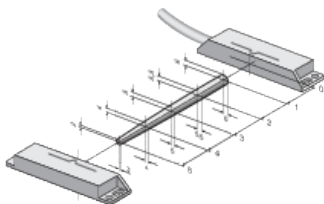
ID: 1bns3g03
| 88,2 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703 Pixel - 72 dpi
| 37,7 kB | .cdr |
| 7,4 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel - 72 dpi

Graphic/Product/Contact



ID: k2o1sk07
| 82,8 kB | .jpg | 352.778 x 125.589 mm - 1000 x 356 Pixel - 72 dpi
| 26,0 kB | .cdr |

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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