

BNS 33-02ZST-2187



- Long life
- no mechanical wear
- 88 mm x 25 mm x 13 mm
- Insensitive to soiling
- Thermoplastic enclosure
- Connector M8 x 1, 4-pole
- Individual contact outlet
- Concealed mounting possible
- Insensitive to transverse misalignment

Data

Ordering data

	BNS 33-02ZST-2187
	101173053
EAN (European Article Number)	4030661301990
eCl@ss number, Version 9.0	27-27-24-02

Approval - Standards

TÜV
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	35 g

General data - Features

Prerequisite evaluation unit	Yes
Number of openers	2

Safety appraisal

ISO 13849-1

Mission Time	20 Year(s)
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Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	25,000,000 Operations
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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
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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	60 VAC
Switching current, maximum	0.3 A
Switching capacity, maximum	5 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.

Accessory

BPS 33-2326

SRB 219IT

SRB 308IT

SRB-E-301ST

SRB-E-201LC

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)

02 2 NC contact

11 1 NO contacts/1 NC contact

12 1 NO contact/2 NC contacts

without without LED switching conditions display

G with LED switching conditions display

(3)

without with cable

ST with connector M8

2187 Individual contact outlet

2187-10 Individual contact outlet with LED

2237 Actuation from cable direction

Pictures

Photo/Product/Catalogue



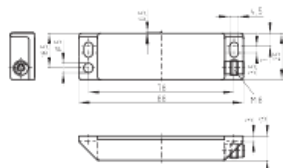
ID: kbns3f21

| 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

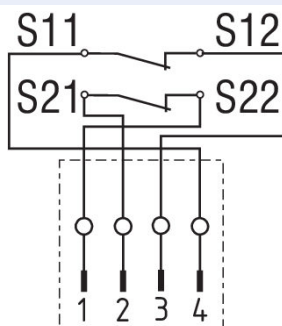
| 80,9 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703

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



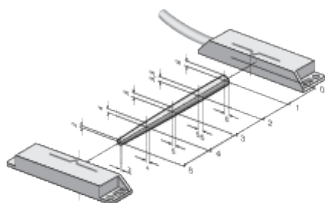
ID: kbns3k22

| 126,8 kB | .jpg | 352.778 x 404.283 mm - 1000 x

1146 Pixel - 72 dpi

| 19,2 kB | .cdr |

Diagramm/Product/Curve



ID: kbns3a01

| 13,1 kB | .png | 74.083 x 45.508 mm - 210 x 129

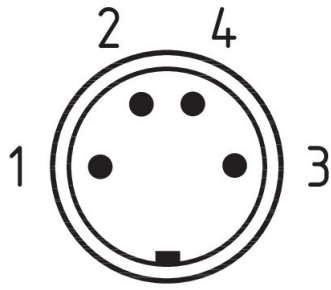
Pixel - 72 dpi

| 96,3 kB | .cdr |

| 124,5 kB | .jpg | 352.778 x 216.253 mm - 1000 x 613

Pixel - 72 dpi

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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