

BNS 33-02Z-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 33-02Z-2187
	101128792
EAN (European Article Number)	4030661049595
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	70 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	Cable
Length of cable	1 m
Wire cross-section	0.3 mm ²
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

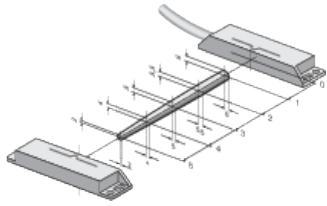
(3)

without with cable

ST with connector M8

| 50,8 kB | .jpg | 352.778 x 87.136 mm - 1000 x 247
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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