



BNS 33-11ZG 2,0M

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

Data

Ordering data

Product type description	BNS 33-11ZG 2,0M
Article number (order number)	101109396
EAN (European Article Number)	4030661026633
eCl@ss number, Version 9.0	27-27-24-02
eCl@ss number, Version 11.0	27-27-24-02
ETIM number, version 7.0	EC002544
ETIM number, version 6.0	EC002544

Approval - Standards

Certificates	TÜV BG cULus EAC
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General data

Standards	IEC 60947-5-3 BG-GS-ET-14
Coding level according to ISO 14119	Low
Active principle	Magnetic drive
Installation conditions (mechanical)	not flush
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	96 g

General data - Features

Integral System Diagnostics, status	Yes
Prerequisite evaluation unit	Yes
Number of openers	1
Number of shutters	1
Number of safety contacts	2
Number of cable wires	4

Safety appraisal

Standards	EN 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
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Mechanical data

Actuating element	Magnet
Repeat accuracy R	$\leq 0.1 \times S_{ao}$
Direction of motion	Head-on to the active surface

Mechanical data - Switching distances according IEC 60947-5-3

Ensured switch distance "ON" S_{ao}	5 mm 8 mm
Ensured switch distance "OFF" S_{ar}	15 mm 18 mm

Mechanical data - Connection technique

Terminal Connector	Cable
Length of cable	2 m
Wire cross-section	0.25 mm ²
Wire cross-section	23 AWG
Material of the Cable mantle	PVC

Mechanical data - Dimensions

Length of sensor	13 mm
Width of sensor	88 mm
Height of sensor	25 mm

Ambient conditions

Degree of protection	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
Resistance to shock	30 g / 11 ms

Electrical data

Switching current, maximum	0.01 A
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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 door is open.
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Scope of delivery

Included in delivery	Actuators must be ordered separately.
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Accessory

Recommendation (actuator)	BPS 33-2326
Recommended safety switchgear	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

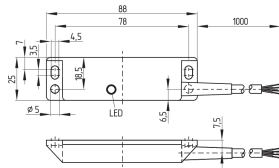
Pictures

Product picture (catalogue individual photo)



ID: kbns3f22
| 145.7 kB | .jpg | 352.778 x 78.317 mm - 1000 x 222 px - 72 dpi
| 11.8 kB | .png | 74.083 x 16.581 mm - 210 x 47 px - 72 dpi

Dimensional drawing basic component



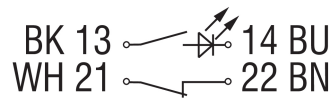
ID: 1bns3g03

| 37.7 kB | .cdr |

| 7.4 kB | .png | 74.083 x 52.211 mm - 210 x 148 px - 72 dpi

| 88.2 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703 px - 72 dpi

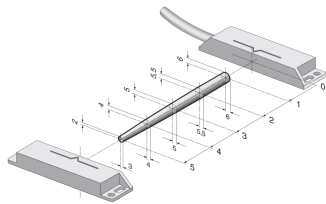
Diagram



ID: k1o1sk18

| 61.6 kB | .jpg | 352.778 x 102.658 mm - 1000 x 291 px - 72 dpi

Characteristic curve



ID: kbns3a01

| 13.1 kB | .png | 74.083 x 45.508 mm - 210 x 129 px - 72 dpi

| 124.5 kB | .jpg | 352.778 x 216.253 mm - 1000 x 613 px - 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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