

BNS 33-12Z-2363 2,0M



- Long life
- no mechanical wear
- 88 mm x 25 mm x 13 mm
- Insensitive to soiling
- Connector 7/8", 6-pole
- Thermoplastic enclosure
- Concealed mounting possible
- Insensitive to transverse misalignment

Data

Ordering data

	BNS 33-12Z-2363 2.0M
	101153903
EAN (European Article Number)	4030661170398
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	120 g

General data - Features

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

Length of cable

2 m

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

120 VAC

Switching current, maximum

0.3 A

Switching capacity, maximum

10 W

Switching frequency, maximum 5 Hz

Electrical data - Digital Output

Versions Miscellaneous, Reed contacts

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

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

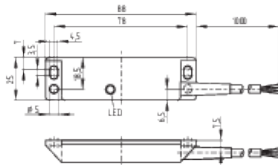
Photo/Product/Catalogue



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

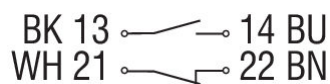
Dimension/Product/Basic



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

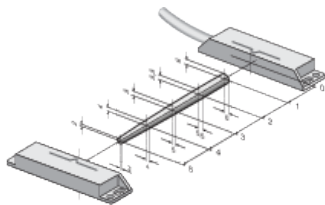
Graphic/Product/Contact



ID: k1o1sk19

| 53,4 kB | .jpg | 352.778 x 83.961 mm - 1000 x 238
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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