

BNS 250-12Z



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

Data

Ordering data

	BNS 250-12Z
	101123071
EAN (European Article Number)	4030661050119
eCl@ss number, Version 9.0	27-27-24-02

Approval - Standards

TÜV
cULus
EAC

General data

	BNS 250
	IEC 60947-5-3
	BG-GS-ET-14
Installation conditions (mechanical)	not flush
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	60.2 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

front side

Actuating element

Magnet

Ensured switch distance "ON" S_{ao}

4 mm

Ensured switch distance "OFF" S_{ar}

14 mm

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

33 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 ... 150 Hz, amplitude 0.35 mm

30 g / 11 ms

Electrical data

Voltage type

DC (direct current)

Switching voltage, maximum

24 VDC

Switching current, maximum

0.1 A

Switching capacity, maximum

1 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 250
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 250-(1)Z(2)-(3)

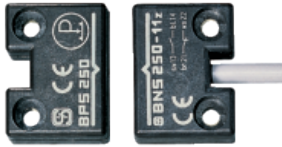
- (1)
11 1 NO contacts/1 NC contact
12 1 NO contact/2 NC contacts

- (2)
without without LED switching conditions display
G with LED switching conditions display

- (3)
2187 Individual contact outlet (without LED switching conditions display LED)

Pictures

Photo/Product/Catalogue



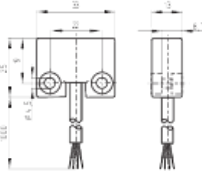
ID: kbns2f01

| 32,6 kB | .png | 74.083 x 48.683 mm - 210 x 138

Pixel - 72 dpi

| 169,9 kB | .jpg | 193.322 x 127 mm - 548 x 360 Pixel
- 72 dpi

Dimension/Product/Basic



ID: 1bns2g01

| 3,9 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi

| 73,7 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697
Pixel - 72 dpi

| 27,6 kB | .cdr |

Graphic/Product/Contact

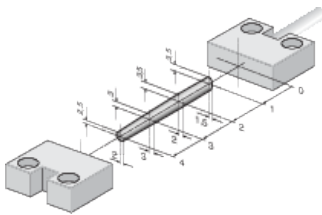


ID: k2o1sk05

| 43,5 kB | .jpg | 352.778 x 61.736 mm - 1000 x 175

Pixel - 72 dpi

Diagramm/Product/Curve



ID: kbns2a01

| 88,2 kB | .cdr |

| 13,5 kB | .png | 74.083 x 47.625 mm - 210 x 135

Pixel - 72 dpi

| 110,0 kB | .jpg | 352.778 x 227.189 mm - 1000 x 644

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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