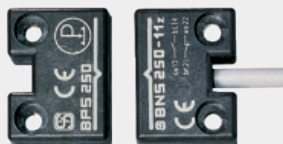


BNS 250-12ZG



- Long life
- Small body
- LED version
- 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 250-12ZG
	101123072
EAN (European Article Number)	4030661050140
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	60.7 g

General data - Features

Coding	Yes
Integral System Diagnostics, status	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 mm ²
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
----------	------------------------------

Status indication

Note (Integral System Diagnostics, status)	The LED is illuminated when the guard door is open.
---	---

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

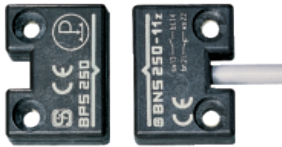
G with LED switching conditions display

(3)

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

Pictures

Photo/Product/Catalogue



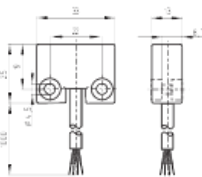
ID: kbns2f01

| 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 |

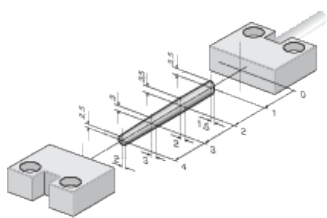
Graphic/Product/Contact



ID: k2o1sk06

| 48,4 kB | .jpg | 352.778 x 77.258 mm - 1000 x 219
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

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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.

Generated on 522021-01-31T06:38:52+01:00601Europe/BerlinSun, 31 Jan 2021 06:38:52

```
+010052amSunday.31am31Europe/BerlinCET3801Europe/BerlinJanuary2021Sun, 31 Jan 2021 06:38:52
+010001am31
```