

BNS 250-11Z 2,5M

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

Data

Ordering data

Product type description	BNS 250-11Z 2,5M
Article number (order number)	101125869

Approvals - Standards

Certificates	cULus
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General data

Standards	BG-GS-ET-14 EN IEC 60947-5-3
Coding level according to EN ISO 14119	Low
Working principle	Magnetic drive
Installation conditions (mechanical)	not flush
Housing material	Glass-fibre, reinforced thermoplastic
Gross weight	100 g

General data - Features

Coding	Yes
Prerequisite evaluation unit	Yes
Number of normally closed (NC)	1
Number of normally open (NO)	1
Number of cable wires	4

Safety classification

Standards	EN ISO 13849-1
Mission time	20 Year(s)

Safety classification - Safety outputs

B _{10D} Normally-closed contact (NC)	25,000,000 Operations
B _{10D} - Value Normally-closed contact/Normally open contact (NC/NO)	25,000,000 Operations

Mechanical data

Active area	front side
Actuating element	Magnet
Direction of motion	Head-on to the active surface

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

Assured switching distance "ON" S _{ao}	4 mm
Assured switching distance "OFF" S _{ar}	14 mm

Mechanical data - Connection technique

Length of cable	2.5 m
Termination	Cable
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	33 mm
Height of sensor	25 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature	-25 ... +70 °C
Storage and transport temperature	-25 ... +70 °C
Resistance to vibrations	10 ... 150 Hz, amplitude 0.35 mm
Restistance to shock	30 g / 11 ms

Electrical data

Switching voltage, maximum	24 VDC
Switching current, maximum	0.1 A
Switching capacity, maximum	1 W
Switching element	1 NO contact, 1 NC contacts
Switching frequency, maximum	5 Hz

Electrical data - Digital Output

Design of control elements	Miscellaneous, Reed contacts
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Scope of delivery

Scope of delivery	Actuator must be ordered separately.
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Accessory

Recommendation (actuator)	BPS 250
Recommended safety switchgear	SRB-E-301ST SRB-E-201LC

Note

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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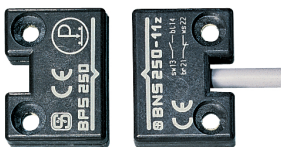
Ordering code

Product type description:
BNS 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

Product picture (catalogue individual photo)



ID: kbns2f01
 | 169.9 kB | .jpg | 193.322 x 127 mm - 548 x 360 px - 72 dpi
 | 32.6 kB | .png | 74.083 x 48.683 mm - 210 x 138 px - 72 dpi
 | 60.3 kB | .jpg | 123.472 x 81.139 mm - 350 x 230 px - 72 dpi

