



BNS 250-11ZG 3,0M

- 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 250-11ZG 3,0M |
| Article number (order number) | 101123995 |
| EAN (European Article Number) | 4030661049274 |
| eCl@ss number, version 12.0 | 27-27-44-01 |
| eCl@ss number, version 11.0 | 27-27-24-02 |
| eCl@ss number, version 9.0 | 27-27-24-02 |
| ETIM number, version 7.0 | EC002544 |
| ETIM number, version 6.0 | EC002544 |

Approvals - Standards

| | |
|--------------|-------|
| Certificates | cULus |
|--------------|-------|

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 | 115 g |

General data - Features

| | |
|--------------------------------------|-----|
| Coding | Yes |
| Integral system diagnostics, general | 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 | 3 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 | 0.01 A |
| Switching capacity, maximum | 0.24 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

Status indication

Note (Integral System Diagnostics, status)

The LED is illuminated when the guard door is open.

Scope of delivery

Scope of delivery

Actuator must be ordered separately.

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.

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

