



EX-BNS 250-11Z-3G/D 20,0M

- Explosion protection for ATEX Zones 2 and 22
- Thermoplastic enclosure
- 33 mm x 25 mm x 13 mm
- Small body
- Concealed mounting possible
- Insensitive to transverse misalignment
- no mechanical wear
- For intrinsically safe current circuits (Ex i) to Ex-Zone 0 and 20

Data

Ordering data

EAN (European Article Number)	4030661422268
eCl@ss number, Version 9.0	27-27-24-02

Explosion protection

Explosion protection: regulations	EN 13463-1 EN 13463-5 EN 60079-0 EN 60079-15 EN 60079-31 IEC 60947-5-3
Explosion protection zones	22 2
Explosion protection category	3D 3G
Explosion protection designation	Ⓔ II 3G Ex nC IIC T6 Gc X Ⓔ II 3D Ex tc IIIC T80°C Dc X

General data

Housing construction form	Block
Installation conditions (mechanical)	not flush
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	680 g

General data - Features

Coding	Yes
Short circuit detection	Yes
Short-circuit recognition	Yes
Prerequisite evaluation unit	Yes
Number of openers	1
Number of shutters	1

Safety appraisal

Standards	EN 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
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Mechanical data

Active area	front side
Actuating element	Magnet
Impact energy, maximum	1 J

Direction of motion

Head-on to the active surface

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

Ensured switch distance "ON" S_{ao}	4 mm
Ensured switch distance "OFF" S_{ar}	14 mm

Mechanical data - Connection technique

Terminal Connector	Cable
Length of cable	20 m
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, 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
Resistance to shock	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
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Scope of delivery

Included in delivery	Actuators must be ordered separately.
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Accessory

Recommendation (actuator)	EX-BPS 250-3G/D
Recommended safety switchgear	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.
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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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