



## EX-BNS 33-02Z-2187-3G/D 15,0M



- Individual contact outlet
- Explosion protection for ATEX Zones 2 and 22
- Thermoplastic enclosure
- 88 mm x 25 mm x 13 mm
- Concealed mounting possible
- Insensitive to transverse misalignment
- no mechanical wear

## Data

### Ordering data

Product type description	EX-BNS 33-02Z-2187-3G/D 15,0M
Article number (order number)	101214783
EAN (European Article Number)	4030661399898
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

### Explosion protection

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

Manufacturer declaration

ATEX Zone 2 and 22

## General data

Housing construction form	Block
Installation conditions (mechanical)	not flush
Housing material	Glass-fibre, reinforced thermoplastic
Gross weight	535 g

## General data - Features

Short circuit detection	Yes
Cross-circuit detection	Yes
Integral system diagnostics, status	Yes
Prerequisite evaluation unit	Yes
Number of normally closed (NC)	2

## Safety classification

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

## Safety classification - Safety outputs

B <sub>10D</sub> Normally-closed contact (NC)	25,000,000 Operations
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## Mechanical data

Active area	lateral
Actuating element	Magnet
Impact energy, maximum	1 J
Direction of motion	Head-on to the active surface

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

Assured switching distance "ON" $S_{ao}$	5 mm
Assured switching distance "OFF" $S_{ar}$	15 mm
Note (Repeat accuracy R)	Wiederholgenauigkeit $R \leq 0,1 \times S_{ao}$

### Mechanical data - Connection technique

Length of cable	15 m
Termination	Cable
Wire cross-section	0.25 mm <sup>2</sup>
Wire cross-section	23 AWG
Material of the Cable mantle	PVC

### Mechanical data - Dimensions

Length of sensor	13 mm
Width of sensor	88 mm
Height of sensor	25 mm

### Ambient conditions

Degree of protection	IP67
Resistance to vibrations	10 ... 55 Hz, amplitude 1 mm
Resistance to shock	30 g / 11 ms

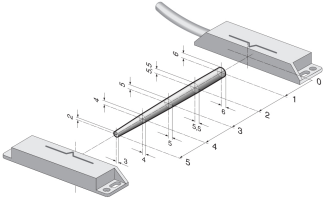
### Electrical data

Switching voltage, maximum	24 VDC
Switching current, maximum	0.01 A
Switching capacity, maximum	0.2 W
Switching frequency, maximum	5 Hz

### Electrical data - Digital Output

Design of control elements	Miscellaneous, Reed contacts
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| 124.5 kB | .jpg | 352.778 x 216.253 mm - 1000 x 613 px - 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.

Generated on: 05/02/2024, 08:56