DATASHEET



BNS 33-02Z-2187

- Individual contact outlet
- Thermoplastic enclosure
- Concealed mounting possible
- Insensitive to transverse misalignment
- 88 mm x 25 mm x 13 mm
- Long life
- no mechanical wear
- Insensitive to soiling

Data

Ordering data

Product type description	BNS 33-02Z-2187
Article number (order number)	101128792
EAN (European Article Number)	4030661049595
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

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	70 g

General data - Features

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_{10D} Normally-closed contact (NC)	25,000,000 Operations

Mechanical data

Active area	lateral
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}	5 mm 8 mm
Assured switching distance "OFF" S_{ar}	15 mm 18 mm
Note (Repeat accuracy R)	Wiederholgenauigkeit R ≤ 0,1 x S_{ao}

Mechanical data - Connection technique

Length of cable	1 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	88 mm
Height of sensor	25 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature	-25 ... +70 °C
Storage and transport temperature, minimum	-25 °C
Storage and transport temperature, maximum	+70 °C
Resistance to vibrations	10 ... 55 Hz, amplitude 1 mm
Restistance to shock	30 g / 11 ms

Electrical data

Switching voltage, maximum	100 VAC
Switching voltage, maximum	100 VDC
Switching current, maximum	0.25 A
Switching capacity, maximum	3 W
Switching frequency, maximum	5 Hz

Electrical data - Digital Output

Design of control elements	Miscellaneous, Reed contacts

Scope of delivery

Scope of delivery	Actuator must be ordered separately.

Accessory

Recommendation (actuator)	BPS 33-2326 BPS 33
Recommended safety switchgear	SRB-E-301ST SRB-E-201LC

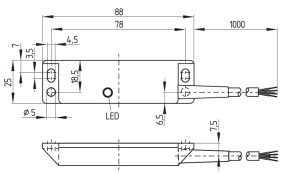
Pictures

Product picture (catalogue individual photo)



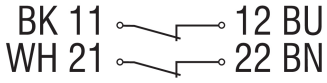
ID: kbns3f22
| 145.7 kB | .jpg | 352.778 x 78.317 mm - 1000 x 222 px - 72 dpi
| 11.8 kB | .png | 74.083 x 16.581 mm - 210 x 47 px - 72 dpi

Dimensional drawing basic component



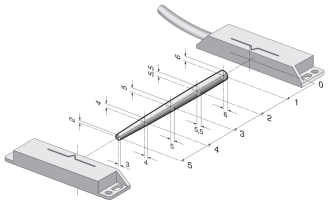
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| 7.4 kB | .png | 74.083 x 52.211 mm - 210 x 148 px - 72 dpi
| 88.2 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703 px - 72 dpi

Diagram



ID: k1o1sk26
| 50.8 kB | .jpg | 352.778 x 87.136 mm - 1000 x 247 px - 72 dpi
| 2.6 kB | .png | 74.083 x 18.344 mm - 210 x 52 px - 72 dpi

Characteristic curve



ID: kbns3a01
| 13.1 kB | .png | 74.083 x 45.508 mm - 210 x 129 px - 72 dpi
| 124.5 kB | .jpg | 352.778 x 216.253 mm - 1000 x 613 px - 72 dpi