BNS33-02ZG-ST-2187



- **Long life**
- **LED version**
- **no mechanical wear**
- **88 mm x 25 mm x 13 mm**
- **Insensitive to soiling**
- **Thermoplastic enclosure**
- **Connector M8 x 1, 4-pole**
- **Individual contact outlet**
- **Concealed mounting possible**
- **Insensitive to transverse misalignment**

Data

Ordering data	
	BNS 33-02ZGST-2187
	101173054
EAN (European Article Number)	4030661302003
eCl@ss number, Version 9.0	27-27-24-02
Approval - Standards	
	TÜV EAC
General data	
	BNS 33
	IEC 60947-5-3 BG-GS-ET-14
Installation conditions (mechanical)	not flush
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	34 g
General data - Features	
Coding	Yes
Integral System Diagnostics, status	Yes
Prerequisite evaluation unit	Yes
Number of openers	2

Safety appraisal	
	ISO 13849-1
Mission Time	20 Year(s)
Safety appraisal - Safety outputs	
B10d Normally-closed contact (NC)	25,000,000 Operations
Mechanical data	
Active area	lateral
Actuating element	Magnet
Ensured switch distance "ON" S_{ao}	8 mm
Ensured switch distance "OFF" S_{ar}	18 mm
Repeat accuracy $_{R}$	≤ 0.1 x S_{ao}
Direction of motion	Head-on to the active surface
Mechanical data - Connection technique	
Terminal Connector	Cable Connector M8
Mechanical data - Dimensions	
Height of sensor	25 mm
Length of sensor	13 mm
Width of sensor	88 mm
Ambient conditions	
	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
	30 g / 11 ms
Electrical data	
Voltage type	DC (direct current)
Switching voltage, maximum	24 VDC
Switching current, maximum	0 A
Switching capacity, maximum	0.2 W
Switching frequency, maximum	5 Hz

Electrical data - Digital Output	
Versions	Miscellaneous, Reed contacts
Status indication	
Note (Integral System Diagnostics, status)	The LED is illuminated when the guard is closed.
Scope of delivery	
Included in delivery	Actuators must be ordered separately.
Accessory	
	BPS 33-2326 SRB 219IT SRB 308IT 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.
Ordering code	

Product type description:

BNS 33-(1)Z(2)-(3)-(4)

(1)
02 2 NC contact
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)
without with cable
ST with connector M8

(4)

2187 Individual contact outlet

2187-10 Individual contact outlet with LED

2237 Actuation from cable direction

Pictures

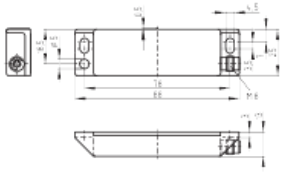
Photo/Product/Catalogue



ID: kbns3f21

| 129,8 kB | .jpg | 232.833 x 105.481 mm - 660 x 299 Pixel - 72 dpi
| 23,0 kB | .png | 74.083 x 33.514 mm - 210 x 95 Pixel - 72 dpi

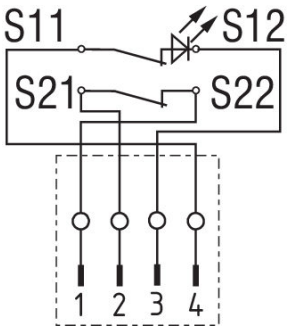
Dimension/Product/Basic



ID: 1bns3g06

| 80,9 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703 Pixel - 72 dpi
| 3,9 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel - 72 dpi
| 93,7 kB | .cdr |

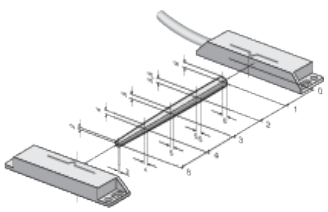
Graphic/Product/Contact



ID: kbns3k23

| 136,6 kB | .jpg | 352.778 x 397.228 mm - 1000 x 1126 Pixel - 72 dpi
| 17,5 kB | .cdr |

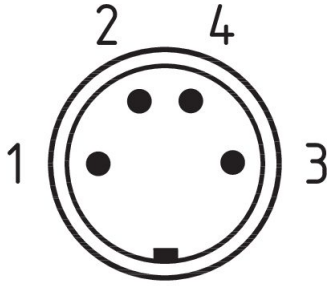
Diagramm/Product/Curve



ID: kbns3a01

| 13,1 kB | .png | 74.083 x 45.508 mm - 210 x 129 Pixel - 72 dpi
| 96,3 kB | .cdr |
| 124,5 kB | .jpg | 352.778 x 216.253 mm - 1000 x 613 Pixel - 72 dpi

Graphic/Product/PIN



ID: km8--k4b

| 17,0 kB | .cdr |

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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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