



BNS 33-11Z 5,0M

- 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 33-11Z 5,0M
Article number (order number)	101113283
EAN (European Article Number)	4030661024356
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
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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	200 g

General data - Features

Coding	Yes
Prerequisite evaluation unit	Yes
Number of normally closed (NC)	1
Number of normally open (NO)	1

Safety classification

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

Mechanical data

Actuating element	Magnet
Direction of motion	Head-on to the active surface

Mechanical data - Switching distances

Assured switching distance "ON" S_{ao}	5 mm
	8 mm
Assured switching distance "OFF" S_{ar}	15 mm
	18 mm
Note (switching distance)	All switching distances in accordance EN IEC 60947-5-3
Note (Repeat accuracy R)	Repeat accuracy $R \leq 0,1 \times S_{ao}$

Mechanical data - Connection technique

Length of cable	5 m
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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	-25 ... +70 °C
Resistance to vibrations	10 ... 55 Hz, amplitude 1 mm
Resistance to shock	30 g / 11 ms

Electrical data

Switching element	1 NO contact, 1 NC contacts
Switching principle	Reed contacts, Non-contact principle
Switching frequency, maximum	5 Hz

Scope of delivery

Scope of delivery	Actuator must be ordered separately.
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Accessory

Recommendation (actuator)	BPS 33-2326 BPS 33
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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.
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Ordering code

Product type description:

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

(1)

02	2 NC contact
11	1 NO contact/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
LST	Connecting cable with connector M12

(4)

2187	Individual contact outlet
2187-10	Individual contact outlet with LED
2237	Actuation from cable direction

Pictures

Product picture (catalogue individual photo)



ID: kbns3f22

| 102.6 kB | .jpg | 352.778 x 79.022 mm - 1000 x 224 px - 72 dpi

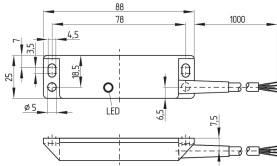
| 13.2 kB | .png | 74.083 x 16.581 mm - 210 x 47 px - 72 dpi

| 13.2 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi

| 847.9 kB | .png | 166.557 x 37.309 mm - 2000 x 448 px - 305 dpi

| 15.1 kB | .jpg | 123.472 x 27.517 mm - 350 x 78 px - 72 dpi

Dimensional drawing basic component



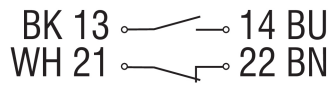
ID: 1bns3g03

| 37.7 kB | .cdr |

| 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

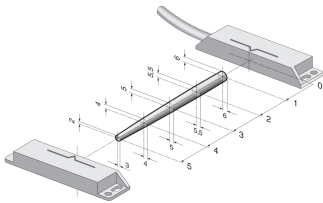


ID: k1o1sk19

| 53.4 kB | .jpg | 352.778 x 83.961 mm - 1000 x 238 px - 72 dpi

| 2.8 kB | .png | 74.083 x 17.639 mm - 210 x 50 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

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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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