



BNS 303-11Z 3,0M

- Thermoplastic enclosure
- Long life
- Suitable for food processing industry only in combination with BPS 303 SS
- no mechanical wear
- Ø M30
- Insensitive to transverse misalignment
- Insensitive to soiling

Data

Ordering data

Product type description	BNS 303-11Z 3,0M
Article number (order number)	101121966
EAN (European Article Number)	4030661049083
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	TÜV BG cULus EAC
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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)	quasi-flush
Enclosure material	Glass-fibre, reinforced thermoplastic
Material of the nuts	Thermoplastic
Gross weight	130 g

General data - Features

Number of normally closed (NC)	1
Number of normally open (NO)	1
Number of safety contacts	2
Number of cable wires	4

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 according EN IEC 60947-5-3

Assured switching distance "ON" S_{ao}	5 mm
Assured switching distance "OFF" S_{ar}	15 mm

Mechanical data - Connection technique

Length of cable	3 m
Wire cross-section	0.25 mm ²
Wire cross-section	23 AWG
Material of the Cable mantle	PVC

Mechanical data - Dimensions

ISO thread of the sensor	M30
width across flats	36 BK
Length of sensor	44 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 vibration to EN 60068-2-6	10 ... 55 Hz, amplitude 1 mm
Resistance to shock	30 g / 11 ms

Electrical data

Switching current, maximum	0.4 A
Switching capacity, maximum	10 W
Switching frequency, maximum	5 Hz

Electrical data - Digital Output

Design of control elements

Miscellaneous, Reed contacts

Scope of delivery

Scope of delivery

Actuators must be ordered separately.

Scope of delivery of mounting material

2x Mounting material M30 x 1.5 nuts

Accessory

Recommendation (actuator)

BPS 300
BPS 303
BPS 303 SS

Recommended safety switchgear

SRB 301AN

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.

Ordering code

Product type description:

BNS 303-(1)Z(2)-(3)-(4)

(1)

11 1 NO contacts/1 NC contact

12 1 NO contact/2 NC contacts

02 - / 2 NC contacts

03 - / 3 NC contacts

(2)

without

without LED switching conditions display

G with LED switching conditions display

(3)

without with cable

ST with connector M12

(4)

2187 Individual contact outlet

2211 higher switching distance

Pictures

Product picture (catalogue individual photo)

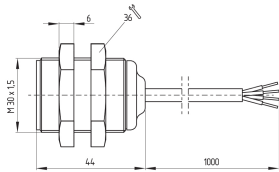


ID: kbns3f03

| 170.5 kB | .jpg | 352.778 x 118.533 mm - 1000 x 336 px - 72 dpi

| 11.3 kB | .png | 74.083 x 24.694 mm - 210 x 70 px - 72 dpi

Dimensional drawing basic component



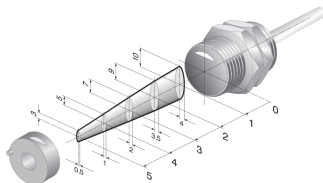
ID: 1bns3g02

| 30.4 kB | .cdr |

| 5.7 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi

| 66.5 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 px - 72 dpi

Characteristic curve



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| 17.7 kB | .png | 74.083 x 42.333 mm - 210 x 120 px - 72 dpi

| 148.1 kB | .jpg | 352.778 x 201.436 mm - 1000 x 571 px - 72 dpi

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532

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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