

BNS 303-12Z



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

Data

Ordering data

	BNS 303-12Z
	101115681
EAN (European Article Number)	4030661048987
eCl@ss number, Version 9.0	27-27-24-02

Approval - Standards

TÜV
cULus
EAC

General data

	BNS 303
	IEC 60947-5-3
	BG-GS-ET-14
Installation conditions (mechanical)	quasi-flush
Enclosure material	Glass-fibre, reinforced thermoplastic
Material of the nuts	Thermoplastic
Gross weight	64 g

General data - Features

Coding	Yes
Number of openers	2
Number of shutters	1
Number of cable wires	4

Safety appraisal

ISO 13849-1

Mission Time

20 Year(s)

Safety appraisal - Safety outputs

B10d- Value Normally-closed contact/Normally open contact (NC/NO)

25,000,000 Operations

Mechanical data

Actuating element

Magnet

Ensured switch distance "ON" S_{ao}

5 mm

Ensured switch distance "OFF" S_{ar}

15 mm

Direction of motion

Head-on to the active surface

Tightening torque of nuts, maximum

3 Nm

Mechanical data - Connection technique

Terminal Connector

Cable

Length of cable

1 m

Wire cross-section

0.3 mm²

Wire cross-section

23 AWG

PVC

Mechanical data - Dimensions

M30

width across flats

36 BK

Length of sensor

44 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

AC (alternating current)

DC (direct current)

Switching voltage, maximum

100 VAC

Switching voltage, maximum

100 VDC

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

Electrical data - Digital Output

Versions	Miscellaneous, Reed contacts
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Scope of delivery

Included in delivery	Actuators must be ordered separately.
Delivery scope of Mounting material	2x Mounting material M30 x 1.5 nuts

Accessory

BPS 300
BPS 303
BPS 303 SS
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.
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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

Photo/Product/Catalogue

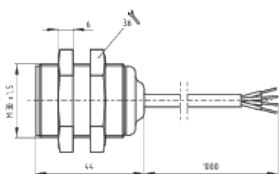


ID: kbns3f03

| 170,5 kB | .jpg | 352.778 x 118.533 mm - 1000 x 336
Pixel - 72 dpi

| 11,3 kB | .png | 74.083 x 24.694 mm - 210 x 70 Pixel
- 72 dpi

Dimension/Product/Basic



ID: 1bns3g02

| 30,4 kB | .cdr |
| 5,7 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi

| 66,5 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697
Pixel - 72 dpi

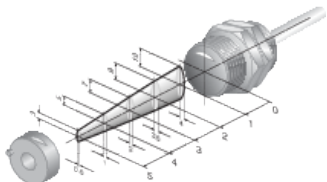
Graphic/Product/Contact



ID: k2o1sk05

| 43,5 kB | .jpg | 352.778 x 61.736 mm - 1000 x 175
Pixel - 72 dpi

Diagramm/Product/Curve



ID: kbns3a02

| 148,1 kB | .jpg | 352.778 x 201.436 mm - 1000 x 571
Pixel - 72 dpi

| 118,4 kB | .cdr |
| 17,7 kB | .png | 74.083 x 42.333 mm - 210 x 120
Pixel - 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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