

BNS 303-11Z-ST



- Ø M30
- Long life
- no mechanical wear
- Connector M12, 4-pole
- 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 303-11Z-ST
	101161543
EAN (European Article Number)	4030661195377
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	45 g

General data - Features

Coding	Yes
Number of openers	1
Number of shutters	1
Number of safety contacts	2

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

Connector M12

Mechanical data - Dimensions

width across flats

M30

36 BK

Length of sensor

44 mm

Ambient conditions

Ambient temperature, minimum

IP67

-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

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 301AN

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 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

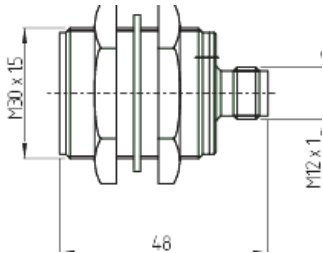


ID: kbns3f03

| 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



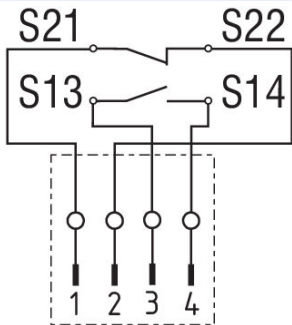
ID: kbns3g10

| 6,1 kB | .jpg | 75.847 x 58.208 mm - 215 x 165 Pixel - 72 dpi

| 105,8 kB | .jpg | 352.778 x 270.228 mm - 1000 x 766 Pixel - 72 dpi

| 3,6 kB | .png | 74.083 x 56.797 mm - 210 x 161 Pixel - 72 dpi

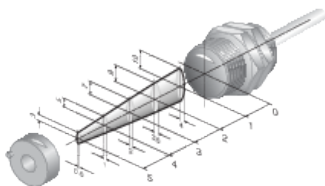
Graphic/Product/Contact



ID: kbns3k09

| 121,7 kB | .jpg | 352.778 x 390.525 mm - 1000 x 1107 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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