

BNS 303-02Z-ST-2211



- 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 303-02Z-ST-2211
	101208000
EAN (European Article Number)	4030661373126
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	40.4 g

General data - Features

Coding	Yes
Number of openers	2
Number of safety contacts	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

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 219IT
SRB 308IT
SRB 301ST
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

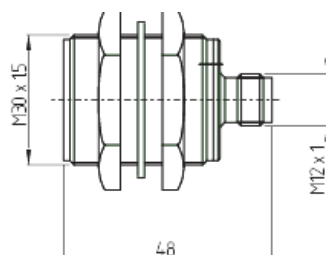


ID: kbns3f03

| 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



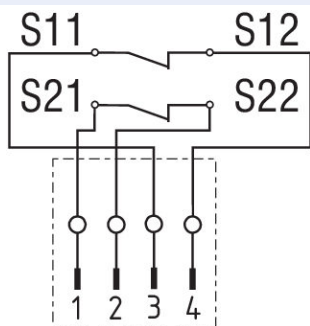
ID: kbns3g10

| 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

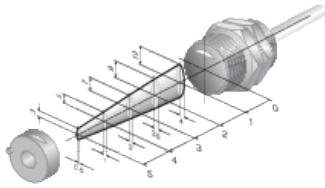


ID: kbns3k39

| 20,4 kB | .cdr |

| 116,6 kB | .jpg | 352.425 x 369.006 mm - 999 x 1046 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

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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.

Generated on 442021-01-31T06:49:44+01:000601Europe/BerlinSun, 31 Jan 2021 06:49:44

+010044amSunday.31am31Europe/BerlinCET4901Europe/BerlinJanuary2021Sun, 31 Jan 2021 06:49:44

+010001am31