

BNS 303-12Z 3,0M



- 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 3.0M
	101137945
EAN (European Article Number)	4030661049007
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	125 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

3 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

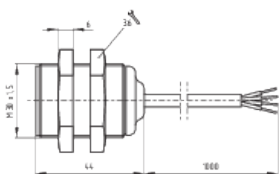


ID: kbns3f03

| 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



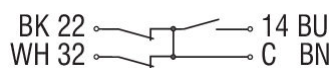
ID: 1bns3g02

| 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

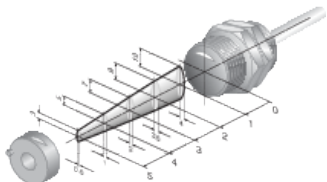
Graphic/Product/Contact



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

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.

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