

BNS 303-12ZG 2,0M



- Ø M30
- Long life
- LED version
- 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 303-12ZG 2.0M
	101154624
EAN (European Article Number)	4030661173535
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	100 g

General data - Features

Coding	Yes
Integral System Diagnostics, status	Yes
Number of openers	2
Number of shutters	1

Number of safety contacts	2
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
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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	2 m
Wire cross-section	0.3 mm ²
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	24 VDC
Switching current, maximum	0 A
Switching capacity, maximum	0.2 W
Switching frequency, maximum	5 Hz

Electrical data - Digital Output

Versions	Miscellaneous, Reed contacts
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Status indication

Note (Integral System Diagnostics, status)	The LED is illuminated when the guard door is open.
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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

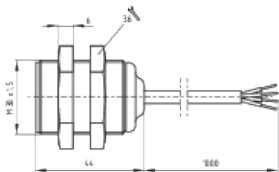
Photo/Product/Catalogue



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

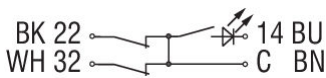
Dimension/Product/Basic



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

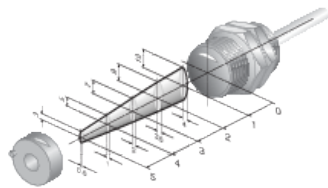
Graphic/Product/Contact



ID: k2o1sk06

| 48,4 kB | .jpg | 352.778 x 77.258 mm - 1000 x 219 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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