

BNS 303-11ZG 4,0M



- 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 303-11ZG 4.0M

101148173

eCl@ss number, Version 9.0

27-27-24-02

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

195 g

General data - Features

Coding

Yes

Integral System Diagnostics, status

Yes

Number of openers

1

Number of shutters

1

Number of safety contacts

2

Number of cable wires

4

Safety appraisal

ISO 13849-1

Mission Time	20 Year(s)
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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	4 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	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

Status indication

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

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 202C
SRB 211AN
SRB 400C
SRB 207AN
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

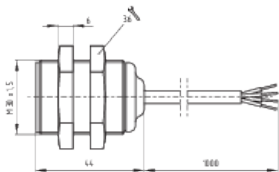
Photo/Product/Catalogue



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

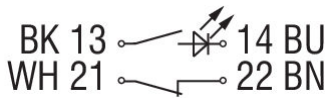
Dimension/Product/Basic



ID: 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

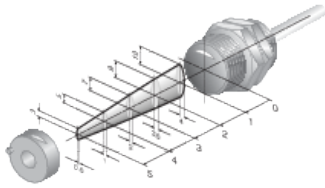
Graphic/Product/Contact



ID: k1o1sk18

| 61,6 kB | .jpg | 352.778 x 102.658 mm - 1000 x 291
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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