

BNS 303-12ZG



- 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
	101138261
EAN (European Article Number)	4030661281131
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	66 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	1 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

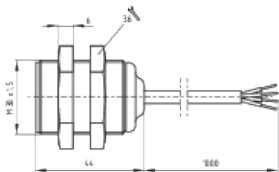
Photo/Product/Catalogue



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

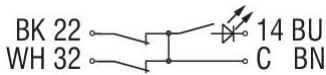
Dimension/Product/Basic



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

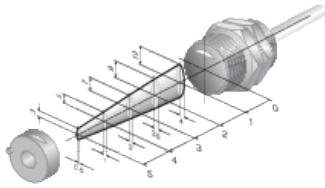
Graphic/Product/Contact



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

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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