

BNS 300-01ZG-ST



- Ø M30
- Long life
- no mechanical wear
- Connector M12, 4-pole
- Insensitive to soiling
- Thermoplastic enclosure
- With integral evaluation
- Insensitive to transverse misalignment
- Suitable for food processing industry only in combination with BPS 303

Data

Ordering data

	BNS 300-01ZG-ST
	101144214
EAN (European Article Number)	4030661131795
eCl@ss number, Version 9.0	27-27-24-02

Approval - Standards

EAC

General data

	BNS 300
	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	50 g

General data - Features

Coding	Yes
Integral System Diagnostics, status	Yes
Safety monitoring module integrated	Yes
Number of openers	1

Number of safety contacts	1
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Safety appraisal

	ISO 13849-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	20,000,000 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	Connector M12
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Mechanical data - Dimensions

	M30
width across flats	36 BK
Length of sensor	78 mm

Ambient conditions

	IP67
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+55 °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	250 VAC
Switching current, maximum	3 A
Switching capacity, maximum	750 W
Switching frequency, maximum	5 Hz

Electrical data - Relay outputs

Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	0 A

Status indication

Note (Integral System Diagnostics, status)	The LED is illuminated when the guard is closed.
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Scope of delivery

Included in delivery	Actuators must be ordered separately.
Delivery scope of Mounting material	2x nuts M30 x 1.5

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.
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Ordering code

Product type description:

BNS 300-01ZG-(1)-(2)

(1)

without with cable

ST M12 connector

(2)

2211 higher switching distance

2230 supplementary signalling output

2246 Ue 42 VAC

Pictures

Photo/Product/Catalogue

ID: kbns3f04

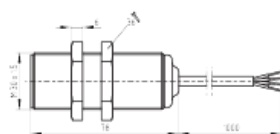


| 225,4 kB | .jpg | 352.778 x 128.058 mm - 1000 x 363 Pixel - 72 dpi

| 15,4 kB | .png | 74.083 x 26.811 mm - 210 x 76 Pixel - 72 dpi

Dimension/Product/Basic

ID: 1bns3g01

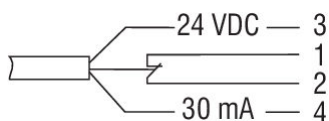


| 3,0 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi

| 57,6 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 Pixel - 72 dpi

| 30,4 kB | .cdr |

Graphic/Product/Contact



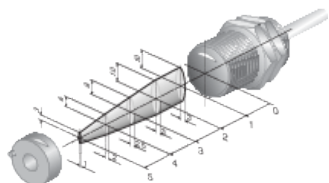
ID: kbns3k34

| 48,2 kB | .jpg | 352.778 x 122.767 mm - 1000 x 348 Pixel - 72 dpi

| 15,9 kB | .cdr |

Diagramm/Product/Curve

ID: kbns3a03



| 152,0 kB | .jpg | 352.778 x 200.378 mm - 1000 x 568 Pixel - 72 dpi

| 18,2 kB | .png | 74.083 x 41.981 mm - 210 x 119 Pixel - 72 dpi

| 119,1 kB | .cdr |

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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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