BNS 300-01ZG-2246



- **Ø M30**
- **Long life**
- **no mechanical wear**
- **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-2246
	101137433
EAN (European Article Number)	4030661280929
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	186 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

Number of cable wires	4
Safety appraisal	
	ISO 13849-1
Mission Time	20 Year(s)
Safety appraisal - Safety outputs	
B10d Normally-closed contact (NC)	20,000,000 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	1 m
Wire cross-section	0.8 mm^2
Wire cross-section	18 AWG
	PVC
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	AC (alternating 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 AC15	42 VAC
Current, Utilisation category AC-15	0 A
Status indication	
Note (Integral System Diagnostics, status)	The LED is illuminated when the guard is closed.
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.
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

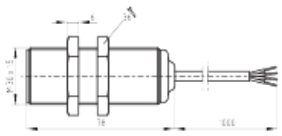
Photo/Product/Catalogue



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 |

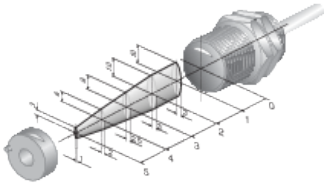
Graphic/Product/Contact



ID: kbns3k02

| 50,6 kB | .jpg | 352.778 x 97.367 mm - 1000 x 276 Pixel - 72 dpi
| 16,1 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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