



BNS 300-01ZG-2230

- supplementary signalling output
- Thermoplastic enclosure
- Long life
- Suitable for food processing industry only in combination with BPS 303
- no mechanical wear
- Ø M30
- Insensitive to transverse misalignment
- Insensitive to soiling
- With integral evaluation

Data

Ordering data

EAN (European Article Number)	4030661279862
eCl@ss number, Version 9.0	27-27-24-02
eCl@ss number, Version 11.0	27-27-24-02
ETIM number, version 6.0	EC002544
ETIM number, version 7.0	EC002544

Approval - Standards

Certificates	EAC
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General data

Standards	IEC 60947-5-3 BG-GS-ET-14
Coding level according to ISO 14119	Low

Active principle	Magnetic drive
Installation conditions (mechanical)	quasi-flush
Enclosure material	Glass-fibre, reinforced thermoplastic
Material of the nuts	Thermoplastic
Gross weight	130 g

General data - Features

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

Standards	EN 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
Direction of motion	Head-on to the active surface
Tightening torque of nuts, maximum	3 Nm

Mechanical data - Switching distances according IEC 60947-5-3

Ensured switch distance "ON" S_{ao}	5 mm
Ensured switch distance "OFF" S_{ar}	15 mm

Mechanical data - Connection technique

Terminal Connector	Cable
Length of cable	1 m
Wire cross-section	0.75 mm ²
Wire cross-section	18 AWG
Material of the Cable mantle	PVC

Mechanical data - Dimensions

ISO thread of the sensor	M30
width across flats	36 BK
Length of sensor	78 mm

Ambient conditions

Degree of protection	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
Restistance to shock	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 0.03 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

Recommendation (actuator) BPS 300
BPS 303
BPS 303 SS

Recommended safety switchgear SRB-E-301ST
SRB-E-201LC

Notes

Note (General) Contact symbols shown for the closed condition of the guard device.

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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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