



## BNS 303-12Z 3,0M

- Thermoplastic enclosure
- Long life
- Suitable for food processing industry only in combination with BPS 303 SS
- no mechanical wear
- Ø M30
- Insensitive to transverse misalignment
- Insensitive to soiling

## Data

### Ordering data

EAN (European Article Number)	4030661049007
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	TÜV BG cULus EAC
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### General data

Standards	IEC 60947-5-3 BG-GS-ET-14
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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	125 g

### General data - Features

Number of openers	2
Number of shutters	1
Number of cable wires	4

### Safety appraisal

Standards	EN 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
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	3 m
Wire cross-section	0.25 mm <sup>2</sup>
Wire cross-section	23 AWG
Material of the Cable mantle	PVC

## Mechanical data - Dimensions

ISO thread of the sensor	M30
width across flats	36 BK
Length of sensor	44 mm

## Ambient conditions

Degree of protection	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
Restistance to shock	30 g / 11 ms

## Electrical data

Voltage type	AC (alternating current) DC (direct current)
Switching voltage, maximum	100 VAC
Switching voltage, maximum	100 VDC
Switching current, maximum	0.4 A
Switching capacity, maximum	10 W

Switching frequency, maximum 5 Hz

## Electrical data - Digital Output

Versions Miscellaneous, Reed contacts

## 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

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.  
The contact configuration for versions with or without LED is identical.

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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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