



## BNS 303-11Z 3,5M

- 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

Note (Delivery capacity)	Not available!
Product type description	BNS 303-11Z 3,5M
Article number (order number)	101133444
EAN (European Article Number)	4030661049120
eCl@ss number, version 12.0	27-27-44-01
eCl@ss number, version 11.0	27-27-24-02
eCl@ss number, version 9.0	27-27-24-02
ETIM number, version 7.0	EC002544
ETIM number, version 6.0	EC002544

### Approvals - Standards

Certificates	cULus
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### General data

Standards	BG-GS-ET-14 EN IEC 60947-5-3
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Coding level according to EN ISO 14119	Low
Working principle	Magnetic drive
Installation conditions (mechanical)	quasi-flush
Housing material	Glass-fibre, reinforced thermoplastic
Material of the nuts	Thermoplastic
Gross weight	145 g

### General data - Features

Coding	Yes
Number of normally closed (NC)	1
Number of normally open (NO)	1
Number of safety contacts	2

### Safety classification

Standards	EN ISO 13849-1
Mission time	20 Year(s)

### Safety classification - Safety outputs

B <sub>10D</sub> - 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

Assured switching distance "ON" S <sub>ao</sub>	5 mm
Assured switching distance "OFF" S <sub>ar</sub>	15 mm
Note (switching distance)	All switching distances in accordance EN IEC 60947-5-3

## Mechanical data - Connection technique

Length of cable	3.5 m
Termination	cable
Number of cable wires	4
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	-25 ... +70 °C
Storage and transport temperature	-25 ... +70 °C
Resistance to vibrations	10 ... 55 Hz, amplitude 1 mm
Restistance to shock	30 g / 11 ms

## Electrical data

Switching voltage, maximum	100 VAC
Switching voltage, maximum	100 VDC
Switching current, maximum	0.4 A
Switching capacity, maximum	10 W
Switching element	1 NO contact, 1 NC contacts
Switching principle	Reed contacts, Non-contact principle
Switching frequency, maximum	5 Hz

## Scope of delivery

Scope of delivery	Actuator must be ordered separately.
Scope of delivery 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 219IT SRB 308IT SRB 301ST SRB 301AN SRB 202C SRB 211AN SRB 400C SRB 207AN SRB-E-301ST SRB-E-201LC

## Note

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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## Pictures

### Product picture (catalogue individual photo)



ID: kbns3f03

| 170.5 kB | .jpg | 352.778 x 118.533 mm - 1000 x 336 px - 72 dpi

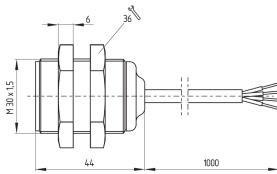
| 11.3 kB | .png | 74.083 x 24.694 mm - 210 x 70 px - 72 dpi

| 18.4 kB | .jpg | 123.472 x 41.628 mm - 350 x 118 px - 72 dpi

| 14.7 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi

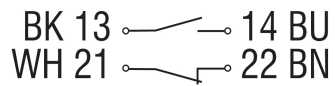
| 1.1 MB | .png | 166.557 x 55.88 mm - 2000 x 671 px - 305 dpi

### Dimensional drawing basic component



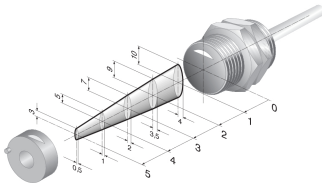
ID: 1bns3g02  
| 30.4 kB | .cdr |  
| 5.7 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi  
| 66.5 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 px - 72 dpi

## Diagram



ID: k1o1sk19  
| 53.4 kB | .jpg | 352.778 x 83.961 mm - 1000 x 238 px - 72 dpi  
| 2.8 kB | .png | 74.083 x 17.639 mm - 210 x 50 px - 72 dpi

## Characteristic curve



ID: kbns3a02  
| 17.7 kB | .png | 74.083 x 42.333 mm - 210 x 120 px - 72 dpi  
| 148.1 kB | .jpg | 352.778 x 201.436 mm - 1000 x 571 px - 72 dpi

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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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