



## BNS 30-01Z-ST-2211

- Metal 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
- With integral evaluation

## Data

### Ordering data

Product type description	BNS 30-01Z-ST-2211
Article number (order number)	101181851
EAN (European Article Number)	4030661316369
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	UKCA
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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	Brass
Housing coating material	nickel-plated
Duration of risk, maximum	50 ms
Gross weight	150 g

### General data - Features

Coding	Yes
Safety monitoring module integrated	Yes
Number of normally closed (NC)	1

### Safety classification

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

### Mechanical data

Actuating element	Magnet
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### Mechanical data - Switching distances according EN IEC 60947-5-3

Assured switching distance "ON" $S_{ao}$	5 mm
Assured switching distance "OFF" $S_{ar}$	15 mm

### Mechanical data - Dimensions

ISO thread of the sensor	M30
Length of sensor	78 mm

## Ambient conditions

Degree of protection	IP67
Ambient temperature	-25 ... +55 °C
Storage and transport temperature	-25 ... +70 °C
Resistance to vibrations	10 ... 55 Hz, amplitude 1 mm
Resistance to shock	30 g / 11 ms

## Electrical data

Switching voltage, maximum	250 VAC
Switching current, maximum	3 A
Switching capacity, maximum	750 W
Switching element	1 NC contact
Time to readiness, maximum	50 ms
Switching frequency, maximum	5 Hz

## Scope of delivery

Scope of delivery	Actuator must be ordered separately.
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## Accessory

Recommendation (actuator)	BPS 300 BPS 303 BPS 303 SS
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## Note

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

Product type description:  
BNS 30-01Z(1)-(2)-(3)

(1)

**without**

without LED switching conditions display

**G**

with LED switching conditions display (on version with cable)

(2)

**without**

with cable

**ST**

M12 connector

(3)

**2211**

higher switching distance

**2334**

increased switching distance and supplementary signalling output

**2246**

Ue 42 VAC

## Pictures

### Product picture (catalogue individual photo)



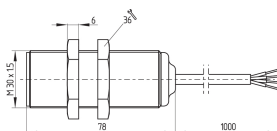
ID: kbns3f08

| 502.0 kB | .jpg | 222.603 x 635.353 mm - 631 x 1801 px - 72 dpi

| 83.5 kB | .png | 74.083 x 211.314 mm - 210 x 599 px - 72 dpi

| 20.3 kB | .jpg | 43.392 x 123.472 mm - 123 x 350 px - 72 dpi

### Dimensional drawing basic component



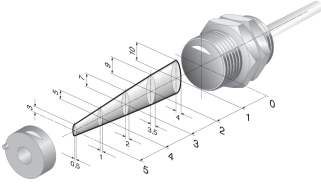
ID: 1bns3g08

| 58.8 kB | .cdr |

| 3.0 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi

| 57.6 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 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

Schmersal India Pvt. Ltd., Plot No - G-7/1, Ranjangaon MIDC, Tal. - Shirur, Dist.- Pune 412 220

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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