

BNS 33S-12Z



- Long life
- no mechanical wear
- Insensitive to soiling
- 88 mm x 27 mm x 14,5 mm
- Stainless steel enclosure
- Concealed mounting possible
- Insensitive to transverse misalignment
- Cable connection suitable for the food industry

Data

Ordering data

Note (Delivery capacity)	Phased-out product
	BNS 33S-12Z
	101184324
EAN (European Article Number)	4030661322209
eCl@ss number, Version 9.0	27-27-24-02

Approval - Standards

TÜV
EAC

General data

	BNS 33S
	IEC 60947-5-3
	BG-GS-ET-14
Installation conditions (mechanical)	not flush
Enclosure material	Stainless steel
Gross weight	170 g

General data - Features

Coding	Yes
Prerequisite evaluation unit	Yes
Number of openers	2
Number of shutters	1

Safety appraisal

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

Mechanical data

Active area

lateral

Actuating element

Magnet

Ensured switch distance "ON" S_{ao}

8 mm

Ensured switch distance "OFF" S_{ar}

18 mm

Direction of motion

Head-on to the active surface

Mechanical data - Connection technique

Terminal Connector

Cable

Length of cable

1 m

Wire cross-section

0.3 mm²

Wire cross-section

23 AWG

PVC

Mechanical data - Dimensions

Height of sensor

27 mm

Length of sensor

14.5 mm

Width of sensor

88 mm

Ambient conditions

IP69K

Ambient temperature, minimum

-25 °C

Ambient temperature, maximum

+70 °C

Storage and transport temperature, minimum

-25 °C

Storage and transport temperature, maximum

+80 °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)

DC (direct current)

Switching voltage, maximum

100 VAC

Switching voltage, maximum

100 VDC

Switching current, maximum	0.3 A
Switching capacity, maximum	3 W
Switching frequency, maximum	5 Hz

Electrical data - Digital Output

Versions	Miscellaneous, Reed contacts
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Scope of delivery

Included in delivery	Actuators must be ordered separately.
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Accessory

BPS 33S

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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Circuit example

Note (Wiring diagram)	Contact S21-S22 must be integrated in the safety circuit.
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Ordering code

Product type description:

BNS 33S-12Z(1)

(1)

without without LED switching conditions display

G with LED switching conditions display

Pictures

Photo/Product/Catalogue

