

BNS 33S-12ZG



- Long life
- LED version
- 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-12ZG
	101184325
EAN (European Article Number)	4030661322216
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
Integral System Diagnostics, status	Yes
Prerequisite evaluation unit	Yes
Number of openers	2

Number of shutters	1
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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
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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 mm ²
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	DC (direct current)
Switching voltage, maximum	24 VDC
Switching current, maximum	0 A

Switching capacity, maximum	0.2 W
Switching frequency, maximum	5 Hz

Electrical data - Digital Output

Versions	Miscellaneous, Reed contacts
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Status indication

Note (Integral System Diagnostics, status)	The LED is illuminated when the guard is closed.
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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

