BNS 33S



88 78 1000 4,5 85 85 85

- Stainless steel
- Coded
- Rectangular design
- Long life, no mechanical wear
- Protection class IP 69k
- Actuation only possible with BPS 33S
- Insensitive to lateral misalignment
- Concealed mounting possible
- Insensitive to soiling
- Cable connection suitable for the food industry

Technical data

Standards: IEC 60947-5-3, BG-GS-ET-14
Design: rectangular
Enclosure: Stainless steel
(V4A to DIN 1.3960)

Protection class: IP 69K (to IEC/EN 60529)
Connection: cable LiYY (suitable for the food industry)

Cable section: 6 x 0,25 mm²

Mode of operation: magnetic

Actuating magnet: BPS 33S, coded

Control category: up to 4 to EN 954-1 in combination with a

safety monitoring module

Classification: up to PDF-M to IEC 60947-5-3

in combination with a safety monitoring module

ordering suffix G

 S_{ao} : 8 mm S_{ar} : 18 mm Switching conditions indicator: LED only for

Max. switching voltage

without LED: max. 100 VAC/DC with LED: max. 24 VDC

Max. switching current

without LED: max. 250 mA with LED: max. 10 mA

Max. switching capacity

without LED: max. 3 W with LED: max. 240 mW

Ambient temperature: - 25 °C ... + 80 °C

Storage and

transport temperature: -25 °C ... + 80 °C Max. switching frequency: 5 Hz Resistance to shock: 30 g / 11 ms Resistance to vibration: 10 ... 55 Hz,

amplitude 1 mm

Contact variants

1 NO / 2 NC

GY S13 - 14S PK GN S21 - 22S YE WH S31 - 32S BN

Approvals

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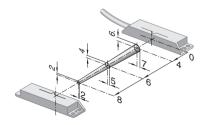
Ordering details

BNS 33S-12z①

No.	Replace	Description
1	G	without LED with LED

The actuating magnet BPS 33S must be ordered separately.

Note



Enabling zone

Note

Contact symbols shown for the closed condition of the guard device.

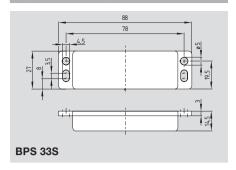
The contact configuration for versions with or without LED is identical.

Contacts S21-S22 must be integrated in the safety circuit.

The LED is illuminated when the guard door is closed.

Safety sensor

System components



Ordering details

Actuating magnet

BPS 33S

SCHMERSAL 1-115