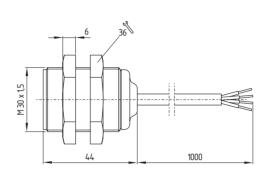
5.3 Cylindrical design

5.3.3 BNS 303 range







Features

- Thermoplastic enclosure
- Protection against manipulation
- Long life, no mechanical wear
- IP 67
- Suitable for food processing industry
- Insensitive to transverse misalignment
- Concealed mounting possible
- Insensitive to soiling

Contacts		1 NO 1 NC	1 NO 2 NC
		BK 13	BK 22
	With LED	BK 13 — 14 BU WH 21 — 22 BN	BK 22 14 BU WH 32 C BN

BNS 303-11z Without LED With LED BNS 303-11zG

Control Category

From **AES range**, which Using safety monitoring modules fulfill Control Category 3 (see chapter 10.2)

BPS 300 Actuator Actuator for

BPS 303, BPS 303 SS food processing industry

BNS 303-12z BNS 303-12zG

AES 6112, 7112, 1102 or **1112** (see chapter 10.2) Monitoring up to two guard devices **BPS 300**

BPS 303, BPS 303 SS

Notes

The LED is illuminated when the guard is open.

Contact symbols shown for the closed condition of the guard device. The actuator for the magnetic safety sensors must be ordered separately.

Approvals







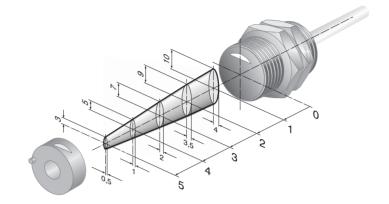
USA CAN D

5.3 Cylindrical design

5.3.3 BNS 303 range



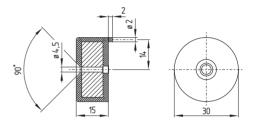
Axialmisalignment • Enabling zone



Actuators

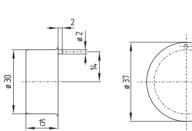
BPS 300

- Thermoplastic enclosure
- Actuator including a tamperproof screw



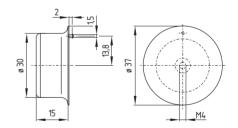
BPS 303

- Thermoplastic enclosure
- Actuator for use in food processing industry
- Includes a self-tapping tamperproof screw



BPS 303 SS

- Stainless steel enclosure
- Actuator for use in food processing industry
- Includes a self-tapping tamperproof screw



Ordering details

BNS 303 with one NO and one NC contact, with LED:

BNS 303-11zG

Actuator for food processing industry including

tamperproof screw: BPS 303

Guard door monitor for Control Category 3 to EN 954-1 to monitor a guard device,

e.g.: AES 1145

Info

For other guard door monitors, see chapter 10.1 and 10.2

Schmersal Industrial Switchgear 311

Magnetic safety sensors Technical data 5.

5.5



	BNS 180	BNS 303	BNS 300
	DNS 100	DN3 303	BN3 300
Standards:	DIN VDE 0660-209, EN	I 1088, BG-GS-ET-14	DIN VDE 0660-209, EN 1088,
	(In combination with AE	ES safety monitoring	EN 954-1, BG-GS-ET-14
	modules)		
Design:	Cylindrical		
Enclosure material:	Glass-fibre reinforced	Glass-fibre reinforced t	thermoplastic
	thermoplastic	Tightening force on 2 t	thermoplastic nuts 36 mm A/F max. 300 Ncm
	Tightening force		
	on nut 24 mm A/F		
	max. 500 Ncm		
Protection class:	IP 67		
	to IEC/EN 60529/DIN V	/DE 0470-1	
Termination:	Boflex cable 4 x 0.25 m	nm ²	Boflex cable 4 x 0.75 mm ²
Mode of operation:	Magnetic		
Limiting distances:	20 mm	5 mm	
Eliming distances.	32 mm	15 mm	
Switching-position indicator:	-	-	LED
Actuator:	Uncoded,	Coded,	
/ totalion.	BP 10, BP 15 SS	BPS 300, BPS 303, BI	PS 303 SS
	DI 10, DI 10 00	ы о ооо, ы о ооо, ы	1 0 000 00
Max. switching voltage:			
Without LED	100 VAC/DC		-
With LED	-	24 VDC	250 VAC
With connector	-	-	=
Max. switching current:			
Without LED	250 mA	400 mA	-
With LED	-	10 mA	3 A
Output:	-	-	1 enabling circuit
Operating voltage:	-	_	24 VDC
Operating current:	-	-	30 mA
Max. switching capacity:			-
Without LED	3 VA/W	10 VA/W	-
With LED	-	240 mW	750 VA
Ambient temperature:	– 25 °C + 70 °C		– 25 °C + 55 °C
Storage and transport			
temperature:	– 25 °C + 70 °C		
Resistance to shock:	30 g / 11 ms		
Resistance to vibration:	10 55 Hz, amplitude	1 mm	
	•		

C€

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