



BNS 120-02Z-LST-2530-4 0,4M

- Thermoplastic enclosure
- Suitable for food processing industry only in combination with BP 15 SS
- Particularly large switching distance
- Ø M12
- Long life
- no mechanical wear
- Insensitive to transverse misalignment
- Insensitive to soiling
- uncoded, concealed installation according to ISO 14119

Data

Ordering data

Note (Delivery capacity)	Not available!
Product type description	BNS 120-02Z-LST-2530-4 0,4M
Article number (order number)	103038017
EAN (European Article Number)	4030661544069
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	cULus
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General data

Standards	BG-GS-ET-14 EN IEC 60947-5-3
Coding level according to EN ISO 14119	None
Working principle	Magnetic drive
Installation conditions (mechanical)	quasi-flush
Housing material	Glass-fibre, reinforced thermoplastic

General data - Features

Number of safety contacts	2
Number of cable wires	4

Safety classification

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

Mechanical data

Actuating element	Magnet
Switching distance actuator	Actuating magnet BP 6, Sao: 10 mm Actuating magnet BP 6, Sar: 22 mm Actuating magnet BP 8, Sao: 10 mm Actuating magnet BP 8, Sar: 22 mm Actuating magnet BP 10, Sao: 20 mm Actuating magnet BP 10, Sar: 32 mm Actuating magnet BP 15 SS, Sao: 20 mm Actuating magnet BP 15 SS, Sar: 32 mm
Direction of motion	Head-on to the active surface

Mechanical data - Switching distances according EN IEC 60947-5-3

Assured switching distance	10 mm
"ON" S_{ao}	20 mm

Assured switching distance	22 mm
"OFF" S_{ar}	32 mm

Mechanical data - Connection technique

Termination	Cable
Wire cross-section	0.25 mm ²
Wire cross-section	23 AWG
Material of the Cable mantle	PVC

Mechanical data - Dimensions

ISO thread of the sensor	M12
Length of sensor	38.5 mm

Ambient conditions

Degree of protection	IP67
Resistance to vibrations	10 ... 55 Hz, amplitude 1 mm
Resistance to shock	30 g / 11 ms

Electrical data

Switching current, maximum	0.25 A
Switching capacity, maximum	3 W
Switching frequency, maximum	5 Hz

Scope of delivery

Scope of delivery	Actuator must be ordered separately.
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Accessory

Recommendation (actuator)	BP 10 BP 8 BP 6 BP 15 SS
Recommended safety switchgear	SRB-E-301ST SRB-E-201LC

Note

Note (General)	Contact symbols shown for the closed condition of the guard device. The safety sensor must be mounted in such a way that actuation with another magnet is impossible (concealed mounting according to EN ISO 14119)
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Ordering code

Product type description:
BNS 120-(1)Z

(1)

11	1 NO contacts/1 NC contact
12	1 NO contact/2 NC contacts
02	2 NC contact

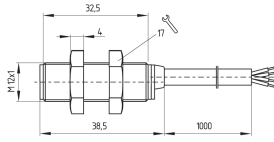
Pictures

Product picture (catalogue individual photo)



ID: kbns1f01
 | 183.5 kB | .jpg | 104.069 x 382.058 mm - 295 x 1083 px - 72 dpi
 | 113.8 kB | .png | 74.083 x 271.639 mm - 210 x 770 px - 72 dpi
 | 16.8 kB | .jpg | 33.514 x 123.472 mm - 95 x 350 px - 72 dpi

Dimensional drawing basic component



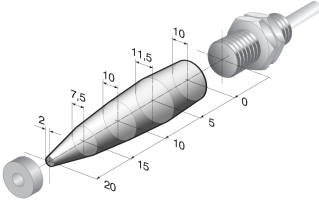
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| 31.6 kB | .cdr |

| 5.1 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi

| 63.8 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 px - 72 dpi

Characteristic curve



ID: kbns1a01

| 17.5 kB | .png | 74.083 x 46.567 mm - 210 x 132 px - 72 dpi

| 135.8 kB | .jpg | 352.778 x 221.192 mm - 1000 x 627 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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