

BNS 40S-12ZG-C



- 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
- Suitable for food processing industry
- Insensitive to transverse misalignment
- Cable connection suitable for the food industry
- especially easy to clean through concealed threaded holes at the rear

Data

Ordering data

	BNS 40S-12ZG-C
	101215515
EAN (European Article Number)	4030661419251
eCl@ss number, Version 9.0	27-27-24-02

Approval - Standards

TÜV
cULus
ECOLAB
EAC

General data

	BNS 40S
	IEC 60947-5-3
	BG-GS-ET-14
Installation conditions (mechanical)	not flush
Enclosure material	Stainless steel (V4A)
Gross weight	250 g

General data - Features

Coding	Yes
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Concealed, threaded holes on the back	Yes
Integral System Diagnostics, status	Yes
Prerequisite evaluation unit	Yes
Number of openers	2
Number of shutters	1
Number of cable wires	6

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
	LiYY

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	+80 °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 40S-2
BPS 40S-1-C
BPS 40S-2-C
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 40S-12Z(1)-(2)

(1)

without without LED switching conditions display

G with LED switching conditions display

(2)

without with countersunk mounting holes Ø 4.2 mm

C concealed threaded holes on the back M4

Pictures

Photo/Product/Catalogue

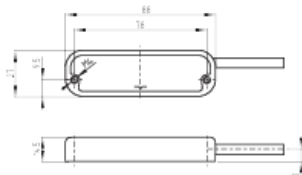


ID: kbns4f02

| 16,0 kB | .png | 74.083 x 19.05 mm - 210 x 54 Pixel - 72 dpi

| 209,5 kB | .jpg | 352.778 x 89.958 mm - 1000 x 255 Pixel - 72 dpi

Dimension/Product/Basic



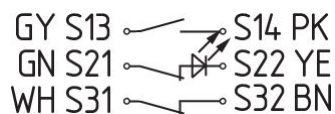
ID: 1bns4g02

| 2,9 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi

| 22,5 kB | .cdr |

| 60,5 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 Pixel - 72 dpi

Graphic/Product/Contact

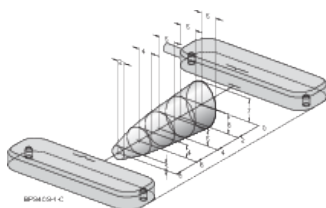


ID: kbns3k32

| 91,7 kB | .jpg | 352.778 x 112.536 mm - 1000 x 319 Pixel - 72 dpi

| 25,4 kB | .cdr |

Diagramm/Product/Curve



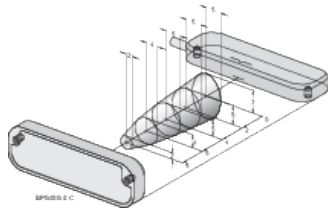
ID: kbns4d01

| 45,4 kB | .cdr |

| 151,1 kB | .jpg | 352.778 x 220.486 mm - 1000 x 625 Pixel - 72 dpi

| 14,0 kB | .png | 74.083 x 46.214 mm - 210 x 131 Pixel - 72 dpi

Diagramm/Product/Curve



ID: kbns4d02

| 14,3 kB | .png | 74.083 x 46.919 mm - 210 x 133

Pixel - 72 dpi

| 46,9 kB | .cdr |

| 147,9 kB | .jpg | 352.778 x 223.661 mm - 1000 x 634

Pixel - 72 dpi

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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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