

BNS 36-02ZG-ST-R



- Long life
- no mechanical wear
- 88 mm x 25 mm x 13 mm
- Insensitive to soiling
- Thermoplastic enclosure
- Concealed mounting possible
- Insensitive to transverse misalignment
- Connector M8, 4-pole, Latching interlocking

Data

Ordering data

	BNS 36-02ZG-ST-R
	101193168
EAN (European Article Number)	4030661359700
eCI@ss number, Version 9.0	27-27-24-02

Approval - Standards

TÜV
cULus
EAC

General data

	BNS 36
	IEC 60947-5-3
	BG-GS-ET-14
Installation conditions (mechanical)	quasi-flush
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	29.5 g

General data - Features

Coding	Yes
Integral System	Yes
Diagnostics, status	

Number of openers	2
Number of safety contacts	2

Safety appraisal

	ISO 13849-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	25,000,000 Operations
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Mechanical data

Actuating element	Magnet
Door hinge	Right
Ensured switch distance "ON" S_{ao}	7 mm
Ensured switch distance "OFF" S_{ar}	17 mm
Notice (Switch distance S_n)	Axial misalignment, a horizontal and vertical misalignment of the safety sensor and the actuator are tolerated. The possible misalignment depends on the distance of the active surfaces of the sensor and the actuator. The sensor remains active within the tolerance range.
Direction of motion	Head-on to the active surface

Mechanical data - Connection technique

Terminal Connector	Connector M8, 4-pole, Latching interlocking
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Mechanical data - Dimensions

Height of sensor	25 mm
Length of sensor	13 mm
Width of sensor	88 mm

Ambient conditions

	IP67
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+70 °C
Storage and transport temperature, minimum	-25 °C
Storage and transport temperature, maximum	+70 °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

Status indication

Note (Integral System
Diagnostics, status)

The LED is illuminated when the guard is closed.

Scope of delivery

Included in delivery

Actuators must be ordered separately.

Accessory

BPS 36-2

SRB-E-301ST

SRB-E-201LC

Notes

Note (General)

The number in brackets indicate the PIN number of the connector.

Ordering code

Product type description:

BNS 36-(1)(2)Z(3)-(4)-(5)

(1)

11 1 NO contacts/1 NC contact

02 2 NC contact

(2)

without with diagnostic output

/01 1 NC contact

without without LED switching conditions display

G with LED switching conditions display

(4)

without Pre-wired cable

ST with connector

(5)

L Door hinge on left-hand side

R Door hinge on right-hand side

Pictures

Photo/Product/Catalogue



ID: kbns3f16

| 23,4 kB | .png | 74.083 x 23.989 mm - 210 x 68 Pixel
- 72 dpi

| 285,3 kB | .jpg | 352.778 x 115.006 mm - 1000 x 326
Pixel - 72 dpi

Dimension/Product/Basic



ID: 1bns3g14

| 60,6 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695
Pixel - 72 dpi

| 24,1 kB | .cdr |

| 3,0 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi

Graphic/Product/Contact

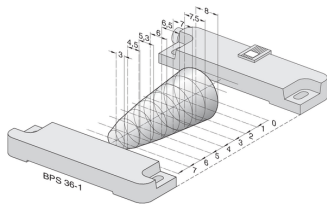


ID: kbns2k01

| 60,6 kB | .jpg | 352.778 x 57.503 mm - 1000 x 163
Pixel - 72 dpi

| 18,6 kB | .cdr |

Diagramm/Product/Curve



ID: kbns3a29

| 110,2 kB | .png | 50.038 x 30.649 mm - 591 x 362

Pixel - 300 dpi

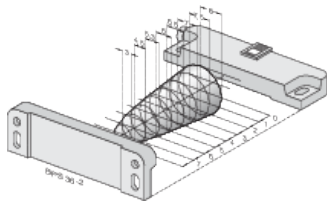
| 165,7 kB | .jpg | 352.778 x 215.9 mm - 1000 x 612

Pixel - 72 dpi

| 165,7 kB | .jpg | 352.778 x 215.9 mm - 1000 x 612

Pixel - 72 dpi

Diagramm/Product/Curve



ID: kbns3a30

| 41,1 kB | .cdr |

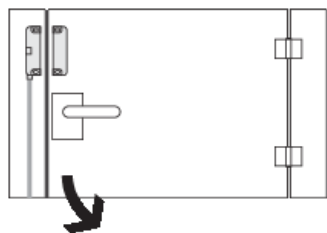
| 164,2 kB | .jpg | 352.778 x 215.547 mm - 1000 x 611

Pixel - 72 dpi

| 16,9 kB | .png | 74.083 x 45.156 mm - 210 x 128

Pixel - 72 dpi

Illustration/Product/Function



ID: kbn36c01

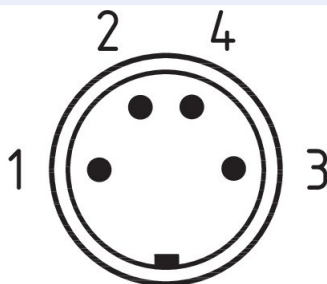
| 1,8 kB | .png | 74.083 x 52.564 mm - 210 x 149 Pixel
- 72 dpi

| 52,3 kB | .jpg | 352.778 x 250.825 mm - 1000 x 711

Pixel - 72 dpi

| 20,2 kB | .cdr |

Graphic/Product/PIN



ID: km8--k4b

| 17,0 kB | .cdr |

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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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