

BNS36-11/01Z-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

Data

Ordering data

Product type description	BNS 36-11/01Z-R
Article number (order number)	101190042
EAN (European Article Number)	4030661359656
eCl@ss number, Version 9.0	27-27-24-02

Approval - Standards

Certificates	TÜV cULus EAC
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General data

Product name	BNS 36
Standards	IEC 60947-5-3 BG-GS-ET-14
Installation conditions (mechanical)	quasi-flush
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	70 g

General data - Features

Coding	Yes
Number of openers	2
Number of shutters	1
Number of safety contacts	2
Number of cable wires	6

Safety appraisal

Standards	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

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	Cable
Length of cable	1 m
Wire cross-section	0.25 mm ²
Wire cross-section	30 AWG
Material of the Cable mantle	PVC

Mechanical data - Dimensions

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

Ambient conditions

Protection class	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
Resistance to shock	30 g / 11 ms

Electrical data

Voltage type	DC (direct current)
Switching voltage, maximum	75 VDC
Switching current, maximum	0.4 A
Switching capacity, maximum	10 W
Switching frequency, maximum	5 Hz

Scope of delivery

Included in delivery	Actuators must be ordered separately.
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Accessory

Recommendation (actuator)	BPS 36-2
Recommended safety switchgear	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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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

(3)

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

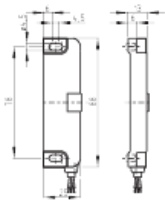
Product picture (catalogue individual photo)

ID: kbns3f35



| 205,0 kB | .jpg | 352.778 x 92.428 mm - 1000 x 262 Pixel - 72 dpi
| 16,0 kB | .png | 74.083 x 19.403 mm - 210 x 55 Pixel - 72 dpi

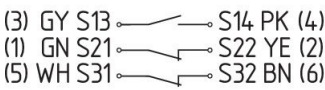
Dimensional drawing basic component



ID: 1bns3g13

| 3,2 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi
| 62,4 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 Pixel - 72 dpi
| 25,5 kB | .cdr |

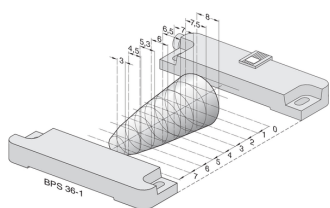
Diagram



ID: kbns2k26

| 79,8 kB | .jpg | 352.778 x 99.483 mm - 1000 x 282 Pixel - 72 dpi

Characteristic curve



ID: kbns3a29

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

Pixel - 300 dpi

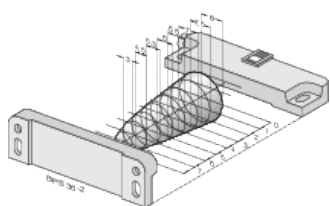
| 165,7 kB | .jpg | 352.778 x 215.9 mm - 1000 x 612

Pixel - 72 dpi

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

Pixel - 72 dpi

Characteristic curve



ID: kbns3a30

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

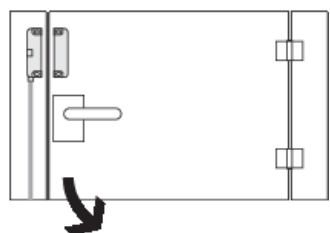
Pixel - 72 dpi

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

Pixel - 72 dpi

| 41,1 kB | .cdr |

Operating principle



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 |

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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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