

BNS 36-02/01Z-L



- 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

	BNS 36-02/01Z-L
	101193201
EAN (European Article Number)	4030661359885
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	70.3 g

General data - Features

Coding	Yes
Number of openers	3

Number of safety contacts	2
Number of cable wires	6

Safety appraisal

	ISO 13849-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

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

Mechanical data

Actuating element	Magnet
Door hinge	Left
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	0.3 mm ²
Wire cross-section	23 AWG
	PVC

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	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.
----------------------	---------------------------------------

Accessory

BPS 36-2
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.
----------------	---

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

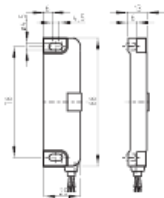
Pictures

Photo/Product/Catalogue



ID: kbns3f34
| 16,4 kB | .png | 74.083 x 19.756 mm - 210 x 56 Pixel
- 72 dpi
| 208,0 kB | .jpg | 352.778 x 93.133 mm - 1000 x 264
Pixel - 72 dpi

Dimension/Product/Basic



ID: 1bns3g13
| 62,4 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695
Pixel - 72 dpi
| 3,2 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi
| 25,5 kB | .cdr |

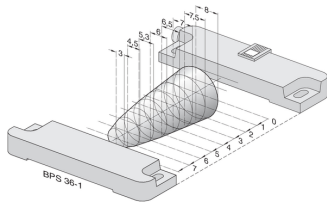
Graphic/Product/Contact

- (3) GY S11 — S12 PK (4)
(1) GN S21 — S22 YE (2)
(5) WH S31 — S32 BN (6)

ID: kbns2k24
| 79,3 kB | .jpg | 352.778 x 99.483 mm - 1000 x 282
Pixel - 72 dpi

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

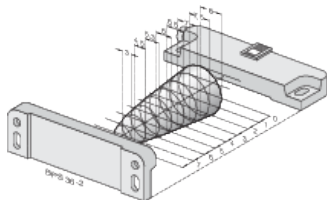
Pixel - 72 dpi

| 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 |

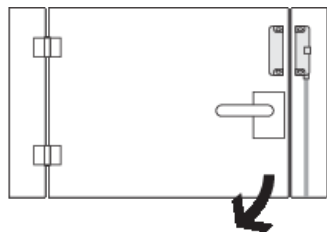
| 164,2 kB | .jpg | 352.778 x 215.547 mm - 1000 x 611

Pixel - 72 dpi

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

Pixel - 72 dpi

Illustration/Product/Function



ID: kbn36c02

| 52,8 kB | .jpg | 352.778 x 248.356 mm - 1000 x 704

Pixel - 72 dpi

| 1,8 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel

- 72 dpi

| 20,3 kB | .cdr |

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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.

Generated on 302021-01-31T06:25:30+01:000601Europe/BerlinSun, 31 Jan 2021 06:25:30

+010030amSunday.31am31Europe/BerlinCET2501Europe/BerlinJanuary2021Sun, 31 Jan 2021 06:25:30

+010001am31