



BNS 333-01YU

- Long life
- no mechanical wear
- Wiring compartment
- 40 mm x 112 mm x 40 mm
- Insensitive to soiling
- Thermoplastic enclosure
- With integral evaluation
- 1 Cable entry M 20 x 1.5
- Insensitive to transverse misalignment
- Suitable for food processing industry only in combination with BPS 303

Data

Ordering data

	BNS 333-01YU
	101169807
EAN (European Article Number)	4030661296524
eCl@ss number, Version 9.0	27-27-24-02

Approval - Standards

EAC

General data

	BNS 333
	IEC 60947-5-3
	BG-GS-ET-14
Installation conditions (mechanical)	quasi-flush
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	145 g

General data - Features

Coding	Yes
Integral System Diagnostics, status	Yes
Safety monitoring module integrated	Yes
Number of openers	1
Number of safety contacts	1

Safety appraisal

ISO 13849-1

Mission Time

20 Year(s)

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)

20,000,000 Operations

Mechanical data

Active area

bottom

Actuating element

Magnet

Ensured switch distance "ON" S_{ao}

4 mm

Ensured switch distance "OFF" S_{ar}

14 mm

Direction of motion

Head-on to the active surface

Mechanical data - Connection technique

Terminal Connector

Screw connection

2 x 0.75 mm²

2 x 1.5 mm²

Note (Cable section)

All indications about the cable section are including the conductor ferrules.

Wire cross-section

15 AWG

Mechanical data - Dimensions

Height of sensor

90 mm

Length of sensor

39 mm

Width of sensor

52 mm

Ambient conditions

IP65

Ambient temperature, minimum

-25 °C

Ambient temperature, maximum

+55 °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

AC (alternating current)

DC (direct current)

Switching voltage, maximum	250 VAC
Switching current, maximum	5 A
Switching capacity, maximum	1,250 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 300
BPS 303
BPS 303 SS
SRB-E-301ST
SRB-E-201LC

Notes

Note (General) Contact symbols shown for the closed condition of the guard device.

Ordering code

Product type description:

BNS 333-01Y(1)-M20

(1)

V Actuating planes front side
R Actuating planes right-hand side
L Actuating planes left-hand side
D Actuating planes cover-side
U Actuating planes bottom

Pictures

Photo/Product/Catalogue



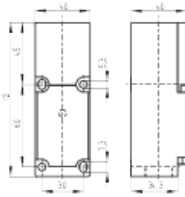
ID: kbns3f02

| 5,2 kB | .jpg | 35.631 x 81.844 mm - 101 x 232 Pixel - 72 dpi

| 514,2 kB | .jpg | 150.636 x 346.428 mm - 427 x 982 Pixel - 72 dpi

| 159,5 kB | .png | 74.083 x 170.039 mm - 210 x 482 Pixel - 72 dpi

Dimension/Product/Basic



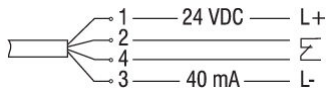
ID: 1bns3g04

| 73,1 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 Pixel - 72 dpi

| 31,4 kB | .cdr |

| 3,2 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi

Graphic/Product/Contact

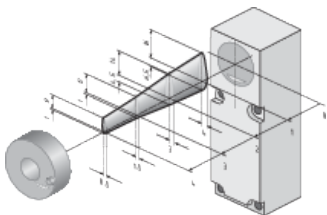


ID: kbns3k15

| 41,2 kB | .jpg | 352.778 x 89.958 mm - 1000 x 255 Pixel - 72 dpi

| 20,6 kB | .cdr |

Diagramm/Product/Curve



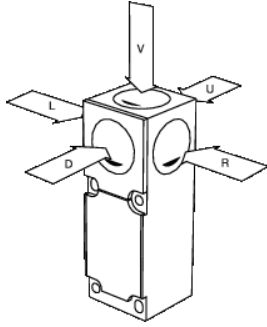
ID: kbns3a04

| 55,1 kB | .cdr |

| 16,3 kB | .png | 74.083 x 47.978 mm - 210 x 136 Pixel - 72 dpi

| 148,3 kB | .jpg | 352.778 x 227.894 mm - 1000 x 646 Pixel - 72 dpi

Illustration/Product/Function



ID: kbns3e02

| 134,9 kB | .jpg | 352.778 x 432.153 mm - 1000 x
1225 Pixel - 72 dpi

| 4,9 kB | .png | 74.083 x 90.664 mm - 210 x 257 Pixel
- 72 dpi

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.

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