



BNS 333-01YR

- 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 333-01YR
	101169804
EAN (European Article Number)	4030661296494
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

right-hand side

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)



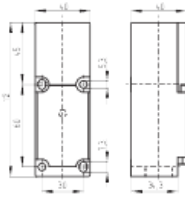
ID: kbns3f02

| 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



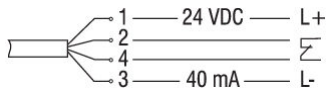
ID: 1bns3g04

| 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

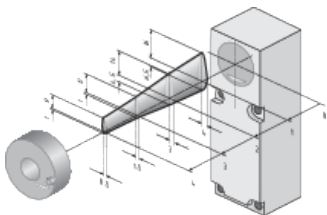


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| 41,2 kB | .jpg | 352.778 x 89.958 mm - 1000 x 255 Pixel - 72 dpi

| 20,6 kB | .cdr |

Diagramm/Product/Curve



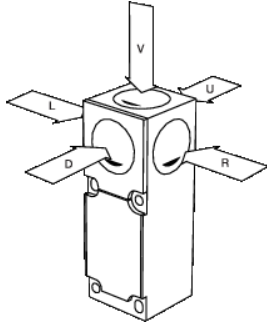
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| 55,1 kB | .cdr |

| 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



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| 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

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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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