

ZR 332-11Y



- Metal enclosure
- Design to EN 50041
- Large contact break
- 40 mm x 76 mm x 40 mm
- 1 Cable entry M 20 x 1.5
- Gold-plated solid silver contacts
- Wide range of alternative actuators
- Magnetic-storage snap action system
- Good resistance to oil and petroleum spirit
- High repeat accuracy of the switching points
- Actuator heads can be repositioned by 4 x 90°
- Switching system separated from snap action system, providing constant switching point independent of contact wear

Data

Ordering data

	ZR 332-11Y
	101150435
EAN (European Article Number)	4030661156491
eCl@ss number, Version 9.0	27-27-26-01

Approval - Standards

CCC
EAC

General data

Product name	332 roller plunger _R
	EN 60947-5-1
	BG-GS-ET-15
Housing construction form	Norm construction design
	C
Enclosure material	Metal film
Enclosure coating material	painted

Material of the contacts, electrical	Gold-plated silver
Roller material	Brass
Gross weight	200 g

General data - Features

Safety functions	Yes
Number of auxiliary contacts	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
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Mechanical data

Actuating element	Roller plunger
Mechanical life, minimum	30,000,000 Operations
Actuating force	31 N
Contact opening	> 2 x 1.25 mm (for complete stroke)
Actuating speed, minimum	10 mm/min
Repeat accuracy of switching points	0

Mechanical data - Connection technique

Terminal Connector	Screw connection 1.5 mm ² 2.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

Height of sensor	116.5 mm
Length of sensor	40 mm
Width of sensor	40 mm

Ambient conditions

	IP65
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage 4 kV

Electrical data

Thermal test current 6 A
Required rated short-circuit current to EN 60947-5-1 1,000 A
Utilisation category AC-15 230 VAC
Utilisation category AC-15 2.5 A
Switching element NO contact, NC contact
Switching principle Snap switch element
Bounce duration, maximum 2.5 ms
Switching frequency 3,000 /h
Switchover time, minimum 1.5 ms

Ordering code

Product type description:

Z(1) 332-11Y-(2)-(3)

(1)

S Plunger S
R Roller plunger R
H Roller lever H
10H Rod lever 10H
7H Roller lever 7H

(2)

without Cable entry M20
ST M12 connector with A-coding (Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits.)
2310 M12 connector with B-coding (Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits.)
PG13,5 Cable entry, PG screw fitting 13.5 mm

(3)

2138 Roller lever 7H for position switches with safety function

Pictures

Photo/Product/Catalogue



ID: k332rf01

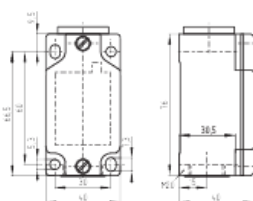
| 141,7 kB | .png | 74.083 x 173.214 mm - 210 x 491

Pixel - 72 dpi

| 455,2 kB | .jpg | 143.228 x 335.492 mm - 406 x 951

Pixel - 72 dpi

Dimension/Product/Basic



ID: 1-332g01

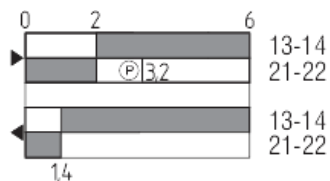
| 26,9 kB | .cdr |

| 103,8 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697

Pixel - 72 dpi

| 4,4 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi

Diagramm/Product/Travel



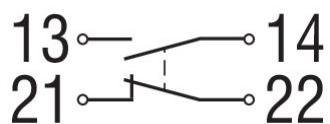
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| 22,8 kB | .cdr |

| 2,3 kB | .png | 74.083 x 40.217 mm - 210 x 114 Pixel
- 72 dpi

| 69,8 kB | .jpg | 352.778 x 191.911 mm - 1000 x 544
Pixel - 72 dpi

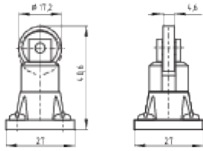
Graphic/Product/Contact



ID: k1o1sk01

| 52,2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407
Pixel - 72 dpi

Dimension/Product/Actuator



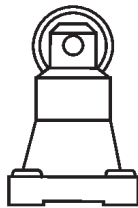
ID: 1r336g01

| 6,6 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel
- 72 dpi

| 66,1 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703
Pixel - 72 dpi

| 51,1 kB | .cdr |

Illustration/Product/Function



ID: 235rz01

| 149,7 kB | .jpg | 352.778 x 799.394 mm - 1000 x
2266 Pixel - 72 dpi

| 15,2 kB | .cdr |

| 2,9 kB | .png | 74.083 x 167.922 mm - 210 x 476
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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