



ZR336-11Z

- Double-insulated
- Design to EN 50041
- Thermoplastic enclosure
- 1 Cable entry M 20 x 1.5
- Wide range of alternative actuators
- Good resistance to oil and petroleum spirit
- Actuator heads can be repositioned by 4 x 90°
- Snap action with constant contact pressure up to switching point

Data

Ordering data

	ZR 336-11Z
	101156135
EAN (European Article Number)	4030661177441
eCl@ss number, Version 9.0	27-27-26-01

Approval - Standards

cULus
CCC
EAC

General data

Product name	336 roller plunger _R
Housing construction form	Norm construction design C
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Gross weight	105 g

General data - Features

Safety functions	Yes
Number of auxiliary contacts	1
Number of safety contacts	1

Safety appraisal

	BG-GS-ET-15
	ISO 13849-1
	EN 60947-5-1
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, minimum	12 N
Actuating speed, maximum	0.5 m/s
Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
Note Bounce duration	Bounce duration in accordance with actuating speed

Mechanical data - Connection technique

Terminal Connector	Screw connection
	0.75 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	38 mm
Width of sensor	40.5 mm

Ambient conditions

	IP67
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage	6 kV
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Electrical data

Thermal test current	10 A
Required rated short-circuit current to EN 60947-5-1	1,000 A

Utilisation category AC-15	230 VAC
Utilisation category AC-15	4 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	4 A
Switching element	NO contact, NC contact
Switching principle	Snap switch element
Switching frequency	5,000 /h
Switchover time, maximum	2 ms

Ordering code

Product type description:

(1)(2) 336-(3)Z(4)-(5)-(6)-(7)

(1)

Z Snap action

T Slow action (not available for AF/S)

(2)

S Plunger S

R Roller plunger R

H Roller lever H

10H Rod lever 10H

7H Roller lever 7H

1K Offset roller lever 1K

3K Angle roller lever 3K

RMS Brass roller

(3)

11 1 NO contacts/1 NC contact

02 2 NC contact

20 2 NO contacts, (switches with 2 NO contacts are not suitable for safety applications)

01/01 1 NC contact left / 1 NC contact right

(4)

H Slow action with staggered contacts

UE Slow action with overlapping contacts

(5)

without Cable entry M20

NPT Cable entry NPT 1/2"

ST M12 connector with A-coding

ST-2310 M12 connector with B-coding

2138 Roller lever 7H for position switches with safety function

(7)

1637 Gold-plated contacts

Pictures

Photo/Product/Catalogue



ID: k336rf01

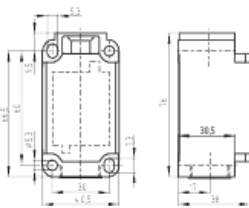
| 325,8 kB | .jpg | 135.819 x 316.442 mm - 385 x 897

Pixel - 72 dpi

| 158,7 kB | .png | 74.083 x 172.508 mm - 210 x 489

Pixel - 72 dpi

Dimension/Product/Basic



ID: 1-336g01

| 51,4 kB | .cdr |

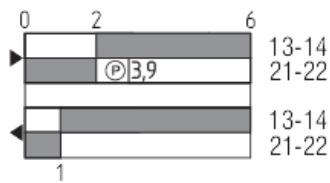
| 107,0 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695

Pixel - 72 dpi

| 4,1 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel

- 72 dpi

Diagramm/Product/Travel



ID: kr335s12

| 67,0 kB | .jpg | 352.778 x 188.031 mm - 1000 x 533

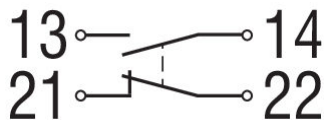
Pixel - 72 dpi

| 2,4 kB | .png | 74.083 x 39.511 mm - 210 x 112 Pixel

- 72 dpi

| 25,9 kB | .cdr |

Graphic/Product/Contact

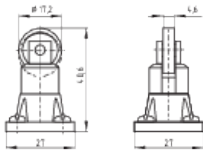


ID: k1o1sk01

| 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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