



ZR336-02Z

- 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 336-02Z
	101154789
EAN (European Article Number)	4030661174396
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	116 g

General data - Features

Safety functions	Yes
Number of safety contacts	2

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

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 mm²

2.5 mm²

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

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	Opener (NC)
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

(6)

2138 Roller lever 7H for position switches with safety function

(7)

1637 Gold-plated contacts

Pictures

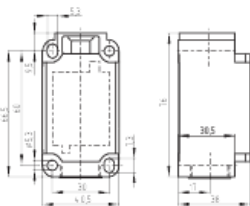
Photo/Product/Catalogue



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

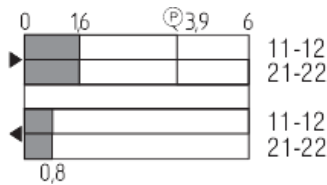
Dimension/Product/Basic



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

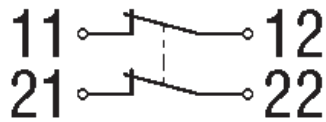
Diagramm/Product/Travel



ID: kr335s11

| 25,6 kB | .cdr |
| 70,3 kB | .jpg | 352.778 x 195.086 mm - 1000 x 553
Pixel - 72 dpi
| 2,2 kB | .png | 74.083 x 40.922 mm - 210 x 116 Pixel
- 72 dpi

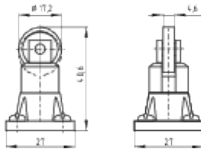
Graphic/Product/Contact



ID: k2o--k01

| 48,8 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355
Pixel - 72 dpi
| 1,4 kB | .png | 74.083 x 26.458 mm - 210 x 75 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

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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