



TR336-20Z-M20

- 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°

Data

Ordering data

	TR 336-20Z
	101060425
EAN (European Article Number)	4030661042794
eCl@ss number, Version 9.0	27-27-06-01

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

Number of auxiliary contacts	2
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Safety appraisal

BG-GS-ET-15
ISO 13849-1
EN 60947-5-1

Mission Time 20 Year(s)

Mechanical data

Actuating element	Roller plunger
Mechanical life, minimum	30,000,000 Operations
Actuating force, minimum	17 N
Actuating speed, maximum	0.5 m/s
Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
Note (Switchover time)	Switchover time 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	Normally open contact (NO)
Switching principle	Creep circuit element

Bounce duration, maximum	2 ms
Switching frequency	5,000 /h

Notes

Note (General) Switch with 2 NO contacts are not for security tasks

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"

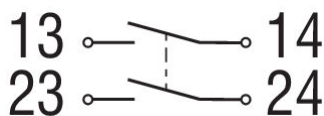
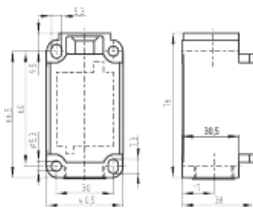
ST M12 connector with A-coding

ST-2310 M12 connector with B-coding

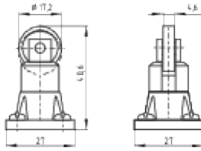
(6)

2138 Roller lever 7H for position switches with safety function

1637 Gold-plated contacts



Dimension/Product/Actuator



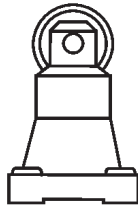
ID: 1r336g01

| 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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