



ZR 332-11Y

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

Data

Ordering data

Product type description	ZR 332-11Y
Article number (order number)	131054557
EAN (European Article Number)	8905236106439
eCl@ss number, version 12.0	27-27-26-01
eCl@ss number, version 11.0	27-27-26-01
eCl@ss number, version 9.0	27-27-26-01
ETIM number, version 7.0	EC000030
ETIM number, version 6.0	EC000030

Approvals - Standards

Certificates	CCC
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General data

Standards	BG-GS-ET-15
	EN IEC 60947-5-1
Housing construction form	Norm construction design

General data

Actuator type to EN 50041	C
Housing material	Light alloy die-casting
Housing coating material	painted
Gross weight	225 g

General data - Features

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

Safety classification

Standards	EN IEC 60947-5-1
Mission time	20 Year(s)

Safety classification - Safety outputs

B10D Normally-closed contact (NC)	20,000,000 Operations
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Mechanical data

Actuating element	Roller plunger
Roller material	Brass
Mechanical lifetime, 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	0.02 mm

Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
Cable section, minimum	1.5 mm ²
Cable section, maximum	2.5 mm ²
Note	All indications including the conductor ferrules.

Mechanical data - connector side B

Connector typ	Female connector
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Mechanical data - Dimensions

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

Ambient conditions

IP Degree of protection	IP67
	IP65
Ambient temperature	-30 ... +80 °C

Ambient conditions - Insulation values

Rated impulse withstand voltage Uimp	4 kV
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Electrical data

Thermal test current	6 A
Required rated short-circuit current	1,000 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	2.5 A
Switching element	1 NO contact, 1 NC contacts
Switching principle	Snap action
Bounce duration, maximum	2.5 ms
Maximum switching frequency	3,000 /h
Switchover time, minimum	1.5 ms
Material of the contacts, electrical	Gold-plated silver (AgNi 15 + Au 0,3µm)

Pictures

Product picture (catalogue individual photo)



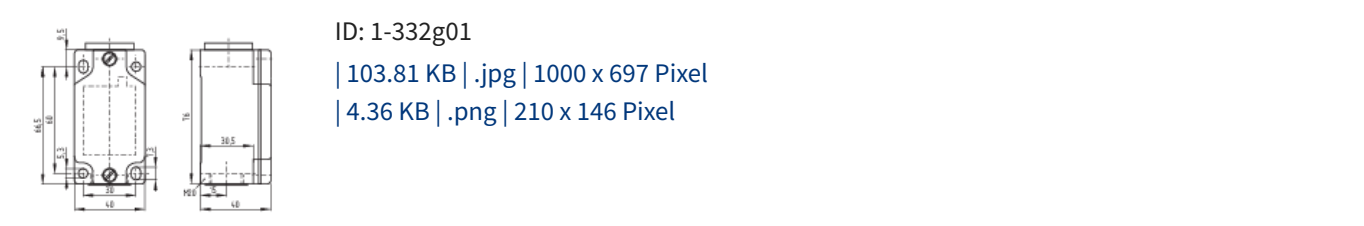
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| 37.47 KB | .jpg | 149 x 350 Pixel

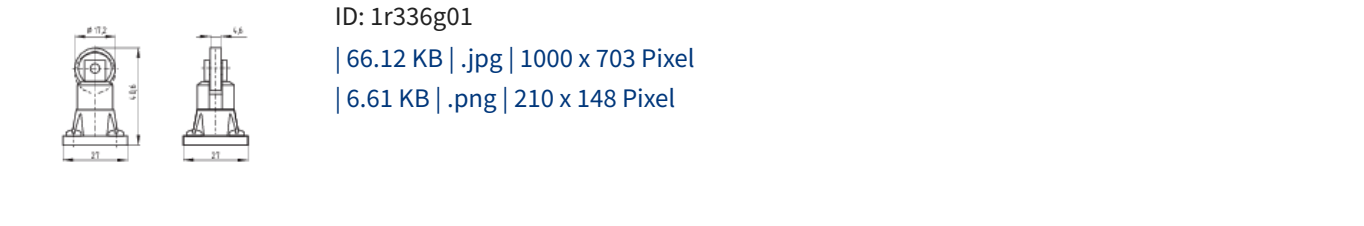
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Dimensional drawing basic component



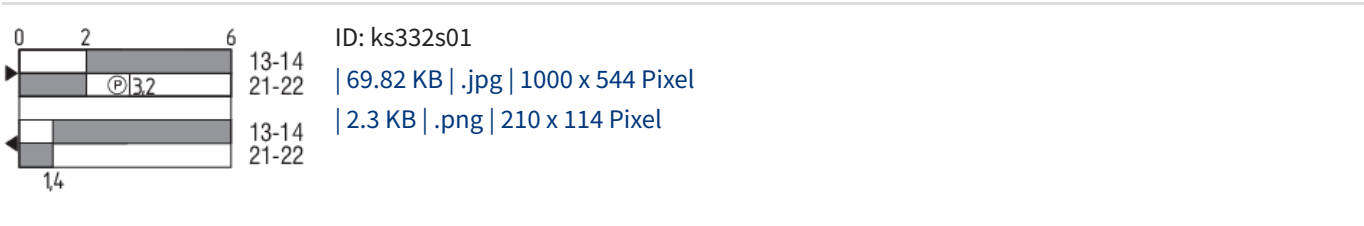
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Dimensional drawing actuator



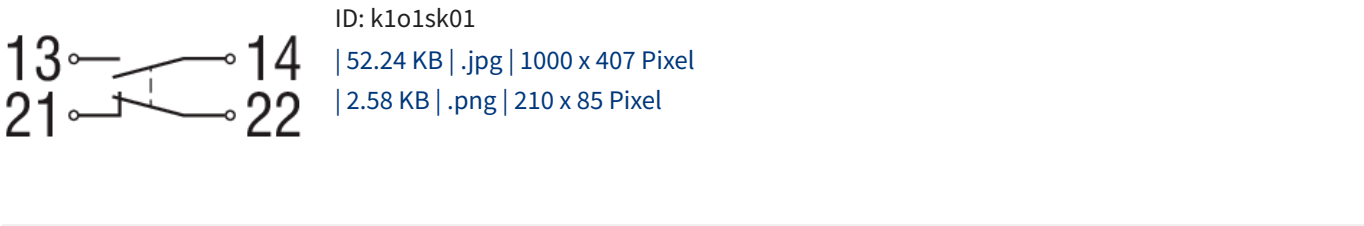
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Switch travel diagram



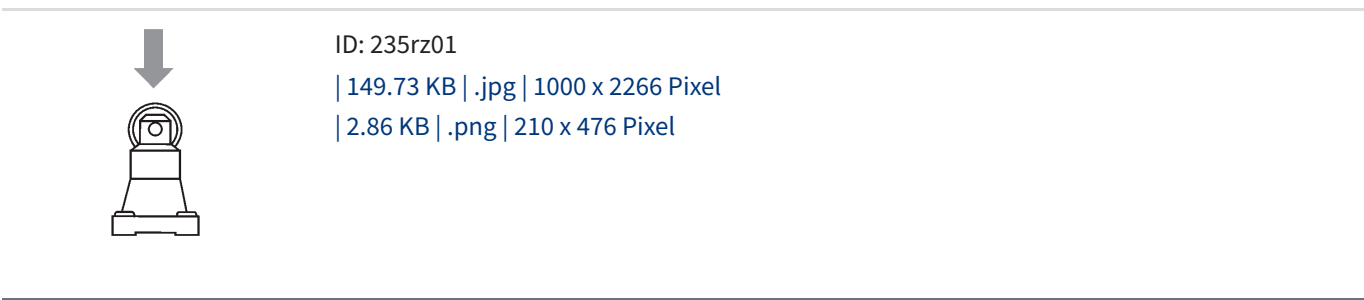
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Diagram



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| 2.58 KB | .png | 210 x 85 Pixel

Operating principle



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