



ZR 335-11Z-M20-RMS

- with brass roller
- Metal enclosure
- Wide range of alternative actuators
- Good resistance to oil and petroleum spirit
- 40,5 mm x 76 mm x 38 mm
- Actuator heads can be repositioned by 4 x 90°
- Design to EN 50041

Data

Ordering code

Product type description	ZR 335-11Z-M20-RMS
Article number (order number)	151164121
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	cULus
	CCC

General data

Housing construction form	Norm construction design
Actuator type to EN 50041	C
Housing material	Light alloy die-casting
Housing coating material	painted
Gross weight	216 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
-----------------------------------	-----------------------

Mechanical data

Actuating element	Roller plunger
Roller material	Brass
Mechanical lifetime, 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

Termination	Screw terminals M20 x 1.5
Cable section, minimum	0.75 mm ²
Cable section, maximum	2.5 mm ²
Note	All indications including the conductor ferrules.

Mechanical data - Dimensions

Length of sensor	38 mm
Width of sensor	40.5 mm
Height of sensor	116.6 mm

Ambient conditions

IP Degree of protection	IP67
	IP65

Ambient conditions

Ambient temperature	-30 ... +80 °C
---------------------	----------------

Ambient conditions - Insulation values

Rated insulation voltage U_i	500 V
Rated impulse withstand voltage U_{imp}	4 kV

Electrical data

Thermal test current	10 A
Required rated short-circuit current	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	1 NO contact, 1 NC contacts
Switching principle	Snap action
Maximum switching frequency	5,000 /h
Switchover time, maximum	2 ms
Material of the contacts, electrical	Silver

Pictures

Product picture (catalogue individual photo)



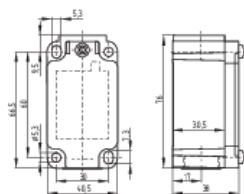
ID: k335rf02

[| 726.94 KB | .jpg | 1000 x 2175 Pixel](#)

[| 26.11 KB | .jpg | 161 x 350 Pixel](#)

[| 89.15 KB | .png | 210 x 456 Pixel](#)

Dimensional drawing basic component

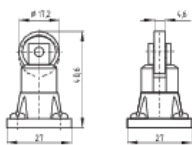


ID: 1-335g01

[| 105.79 KB | .jpg | 1000 x 697 Pixel](#)

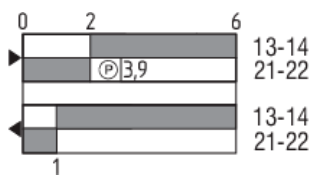
[| 4.51 KB | .png | 210 x 146 Pixel](#)

Dimensional drawing actuator



ID: 1r336g01
| 66.12 KB | .jpg | 1000 x 703 Pixel
| 6.61 KB | .png | 210 x 148 Pixel

Switch travel diagram



ID: kr335s12
| 66.97 KB | .jpg | 1000 x 533 Pixel
| 2.36 KB | .png | 210 x 112 Pixel

Diagram



ID: k1o1sk01
| 52.24 KB | .jpg | 1000 x 407 Pixel
| 2.58 KB | .png | 210 x 85 Pixel

Operating principle



ID: 235rz01
| 149.73 KB | .jpg | 1000 x 2266 Pixel
| 2.86 KB | .png | 210 x 476 Pixel

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.
Generated on: 13/08/2026, 17:23