



## Z4V7H335-11Z

- Metal enclosure
- Design to EN 50041
- 40,5 mm x 76 mm x 38 mm
- 1 Cable entry M 20 x 1.5
- only for positioning tasks
- 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

|                               |               |
|-------------------------------|---------------|
|                               | Z4V7H 335-11Z |
|                               | 101161691     |
| EAN (European Article Number) | 4030661196541 |
| eCl@ss number, Version 9.0    | 27-27-06-01   |

### Approval - Standards

cULus  
CCC  
EAC

### General data

|                                      |                          |
|--------------------------------------|--------------------------|
| Product name                         | Z 335 roller lever 7H    |
| Housing construction form            | Norm construction design |
| Enclosure material                   | Aluminium                |
| Enclosure coating material           | painted                  |
| Material of the contacts, electrical | Silver                   |
| Lever material                       | Metal film               |
| Roller material                      | Plastic                  |
| Gross weight                         | 315 g                    |

## General data - Features

|                              |   |
|------------------------------|---|
| Number of auxiliary contacts | 1 |
| Number of safety contacts    | 1 |

## Safety appraisal

|              |                                            |
|--------------|--------------------------------------------|
|              | BG-GS-ET-15<br>ISO 13849-1<br>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 lever                                            |
| Mechanical life, minimum  | 30,000,000 Operations                                   |
| Actuating speed, maximum  | 2.5 m/s                                                 |
| Note (Actuating speed)    | Actuating speed with actuating angle 30° to switch axis |
| Note Bounce duration      | Bounce duration in accordance with actuating speed      |
| Actuating torque, minimum | 0.3 Nm                                                  |

## Mechanical data - Connection technique

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| Terminal Connector   | Screw connection<br>0.75 mm <sup>2</sup><br>2.5 mm <sup>2</sup>               |
| Note (Cable section) | All indications about the cable section are including the conductor ferrules. |

## Mechanical data - Dimensions

|                  |         |
|------------------|---------|
| Height of sensor | 183 mm  |
| Length of sensor | 57.3 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                                    | 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) 3(3)5-(4)Z(5)-(6)-(7)-(8)-(9)

(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)

**3** slim design

**5** large design

(4)

**11** 1 NO contacts/1 NC contact

**02** 2 NC contact

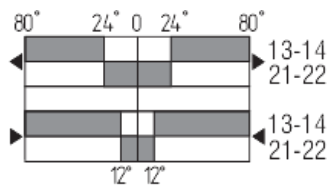
**20** 2 NO contacts (not suitable for safety applications)

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

**12** 1 NO contact/2 NC contacts



## Diagramm/Product/Travel



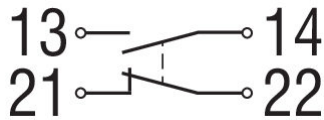
ID: kh335s17

| 25,7 kB | .cdr |

| 2,4 kB | .png | 74.083 x 40.569 mm - 210 x 115 Pixel  
- 72 dpi

| 85,9 kB | .jpg | 352.778 x 193.322 mm - 1000 x 548  
Pixel - 72 dpi

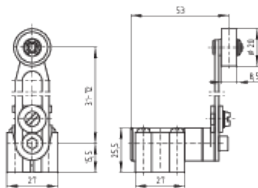
## Graphic/Product/Contact



ID: k1o1sk01

| 52,2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407  
Pixel - 72 dpi

## Dimension/Product/Actuator



ID: 1h355g02

| 30,2 kB | .cdr |

| 104,9 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691  
Pixel - 72 dpi

| 9,6 kB | .png | 74.083 x 51.153 mm - 210 x 145 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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