



## T4V7H335-11Z-2138

- Metal enclosure
- Design to EN 50041
- 40,5 mm x 76 mm x 38 mm
- 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

|                               |                       |
|-------------------------------|-----------------------|
|                               | T4V7H335-11Z-M20-2138 |
|                               | 101172195             |
| EAN (European Article Number) | 4030661300375         |
| eCl@ss number, Version 9.0    | 27-27-26-01           |

### Approval - Standards

cULus  
CCC  
EAC

### General data

|                                      |                            |
|--------------------------------------|----------------------------|
| Product name                         | T 335 roller lever 7H 2138 |
| 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                         | 282 g                      |

### General data - Features

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

## 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 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 (Switchover time)    | Switchover time in accordance with actuating speed      |
| Actuating torque, minimum | 0.3 Nm                                                  |

## Mechanical data - Connection technique

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| Terminal Connector   | Screw connection                                                              |
|                      | 0.75 mm <sup>2</sup>                                                          |
|                      | 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 | 173.5 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        | Slow action            |
| Bounce duration, maximum   | 2 ms                   |
| Switching frequency        | 5,000 /h               |

## 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

**03** 3 NC contact

(5)

**H** Slow action with staggered contacts

**UE** Slow action with overlapping contacts

### G24 with LED

(7)

**without** Cable entry M20

**NPT** Cable entry NPT 1/2"

**ST** M12 connector with A-coding (Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits.)

**ST-2310** M12 connector with B-coding (Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits.)

(8)

### 2138 Roller lever 7H for position switches with safety function

(9)

### 1637 Gold-plated contacts

## Pictures

## Photo/Product/Catalogue



ID: k335hf04

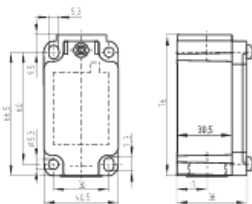
| 980,6 kB | .jpg | 248.708 x 767.644 mm - 705 x 2176

Pixel - 72 dpi

| 153,1 kB | .png | 74.083 x 228.6 mm - 210 x 648

Pixel - 72 dpi

### Dimension/Product/Basic



ID: 1-335g01

| 105,8 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697

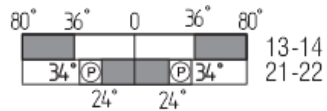
Pixel - 72 dpi

| 4,5 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel  
- 72 dpi

| 96,7 kB | .cdr |

### Diagramm/Product/Travel

ID: kh335s05

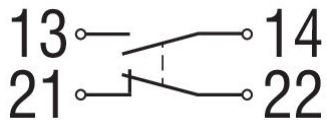


| 2,4 kB | .png | 74.083 x 24.342 mm - 210 x 69 Pixel - 72 dpi

| 25,4 kB | .cdr |

| 66,9 kB | .jpg | 352.778 x 116.064 mm - 1000 x 329 Pixel - 72 dpi

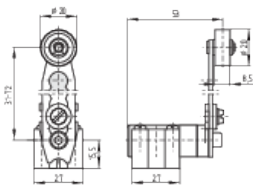
#### Graphic/Product/Contact



ID: k1o1sk01

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

#### Dimension/Product/Actuator



ID: 1h336g02

| 10,3 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel - 72 dpi

| 88,3 kB | .cdr |

| 102,9 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703 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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