



## T1K 336-02ZH

- slim design
- 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

T1K 336-02ZH

101116808

eCI@ss number, Version 9.0

27-27-26-01

### General data

|                                      |                                                                   |
|--------------------------------------|-------------------------------------------------------------------|
| Product name                         | 336 offset roller lever 1K                                        |
| Housing construction form            | Norm construction design                                          |
| Enclosure material                   | Plastic, glass-fibre reinforced thermoplastic, self-extinguishing |
| Material of the contacts, electrical | Silver                                                            |
| Gross weight                         | 115 g                                                             |

### General data - Features

|                           |     |
|---------------------------|-----|
| Safety functions          | Yes |
| Number of safety contacts | 2   |

### Safety appraisal

ISO 13849-1

|              |            |
|--------------|------------|
| Mission Time | 20 Year(s) |
|--------------|------------|

### Safety appraisal - Safety outputs

|                                   |                       |
|-----------------------------------|-----------------------|
| B10d Normally-closed contact (NC) | 20,000,000 Operations |
|-----------------------------------|-----------------------|

## Mechanical data

|                          |                                                         |
|--------------------------|---------------------------------------------------------|
| Actuating element        | Offset roller lever                                     |
| 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<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 | 118.5 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 |
|---------------------------------|------|

## 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                                    | Opener (NC)                         |
| Switching principle                                  | Slow action with staggered contacts |
| Bounce duration, maximum                             | 2 ms                                |
| Switching frequency                                  | 5,000 /h                            |

## 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)

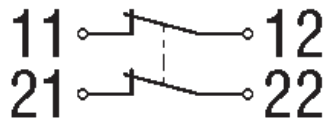
**2138** Roller lever 7H for position switches with safety function

(7)

**1637** Gold-plated contacts

## Pictures





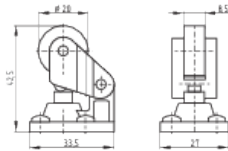
ID: k2o--k01

| 48,8 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355

Pixel - 72 dpi

| 1,4 kB | .png | 74.083 x 26.458 mm - 210 x 75 Pixel -  
72 dpi

#### Dimension/Product/Actuator



ID: 1k336g01

| 71,4 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697

Pixel - 72 dpi

| 7,0 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel -  
72 dpi

| 57,2 kB | .cdr |

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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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