



## TK 255-11ZUE

- Metal enclosure
- 63 mm x 63,5 mm x 30 mm
- 3 cable entries M 20 x 1.5
- Mounting details to EN 50047
- Wide range of alternative actuators
- Good resistance to oil and petroleum spirit
- Actuator heads can be repositioned by 4 x 90°

## Data

### Ordering data

|                            |              |
|----------------------------|--------------|
|                            | TK 255-11ZUE |
|                            | 101182886    |
| eCl@ss number, Version 9.0 | 27-27-26-01  |

### General data

|                                      |                             |
|--------------------------------------|-----------------------------|
| Product name                         | T 255 offset roller lever K |
|                                      | IEC 60947-5-1               |
|                                      | ISO 13849-1                 |
|                                      | BG-GS-ET-15                 |
| Housing construction form            | Norm construction design    |
| Actuator type to DIN EN 50047        | E                           |
| Enclosure material                   | Zink                        |
| Enclosure coating material           | painted                     |
| Material of the contacts, electrical | Silver                      |
| Gross weight                         | 170 g                       |

### General data - Features

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

## 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

20,000,000 Operations

Actuating force, minimum

9 N

Positive break force, minimum

19 N

Actuating speed, minimum

240 mm/min

Actuating speed, maximum

1 m/s

Note (Actuating speed)

Actuating speed with actuating angle 30° to switch axis

Note Bounce duration

Bounce duration in accordance with actuating speed

Note (Switchover time)

Switchover time in accordance with actuating speed

## 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

95.1 mm

Length of sensor

30 mm

Width of sensor

63 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                           | 1 A                                   |
| Switching element                                    | NO contact, NC contact                |
| Switching principle                                  | Slow action with overlapping contacts |
| Switching frequency                                  | 5,000 /h                              |

## Pictures

### Photo/Product/Catalogue



ID: k255kf01

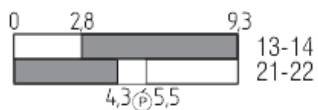
| 56,9 kB | .png | 73.731 x 100.542 mm - 209 x 285

Pixel - 72 dpi

| 646,3 kB | .jpg | 338.667 x 460.728 mm - 960 x 1306

Pixel - 72 dpi

### Diagramm/Product/Travel



ID: kk235s15

| 16,8 kB | .cdr |

| 1,8 kB | .png | 74.083 x 23.283 mm - 210 x 66 Pixel - 72 dpi

| 48,5 kB | .jpg | 352.778 x 111.478 mm - 1000 x 316

Pixel - 72 dpi

### Graphic/Product/Contact



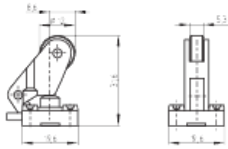
ID: k1o1sk01

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

Pixel - 72 dpi

### Dimension/Product/Actuator

ID: 1k236g01



| 3,6 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel  
- 72 dpi

| 67,4 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697  
Pixel - 72 dpi

| 60,3 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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