# DATASHEET



## EX-RDTGB

- Ex-Zone 1 and 21
- Push button

## Data

### Ordering data

| | |
|---|---|
| Product type description | EX-RDTGB |
| Article number (order number) | 101197337 |
| EAN (European Article Number) | 4030661599847 |
| eCl@ss number, version 12.0 | 27-37-12-10 |
| eCl@ss number, version 11.0 | 27-37-12-10 |
| eCl@ss number, version 9.0 | 27-37-12-10 |
| ETIM number, version 7.0 | EC000221 |
| ETIM number, version 6.0 | EC000221 |

### Approvals - Standards

| | |
|---|---|
| Certificates | TÜV<br>IEC Ex |

### Explosion protection

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|---|---|
| Explosion protection: regulations | EN IEC 60079-0<br>EN 60079-11<br>EN 60079-14<br>EN 60079-31 |

| | |
|---|---|
| Explosion protection zones | 1<br>21<br>2<br>22 |
| Explosion protection category | 2G<br>2D |
| Explosion protection designation | II 2G Ex ib IIC Gb<br>II 2D Ex ib IIIC Db |

## General data

| | |
|---|---|
| Standards | EN ISO 13849-1<br>EN IEC 60947-5-1<br>EN IEC 60947-5-5 |
| Design | Round |
| Material of the identification label | Stainless steel (V4A) |
| Material of the front ring | Aluminium |
| Colour of the operating element | Yellow |
| Gross weight | 67 g |

### Safety classification

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

## Safety classification - Safety outputs

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| $B_{10D}$ Normally-closed contact (NC) | 100,000 Operations |

## Mechanical data

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|---|---|
| Actuating stroke | 4 mm |

## Mechanical data - Dimensions

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|---|---|
| Mounting diameter | 22.3 mm |
| Thickness of the front panel, maximum | 6 mm |

## Ordering code

Product type description:
EX-R(1)

(1)

| | |
|---|---|
| **DT(2)-(7)** | Pushbutton, Ø 28 mm, buttons in MS, coated |
| **DM(2)-(7)** | Pushbutton with diaphragm, Ø 28 mm, buttons in MS, coated |
| **DL(3)-(7)** | Illuminated pushbutton, Ø 28 mm, swivel in impact-resistant plastic |
| **DLM(3)-(7)** | Illuminated pushbutton with diaphragm, Ø 28 mm, swivel in impact-resistant plastic |
| **MLH(3)-(7)** | Indicator lights for LED´s, protruding swivel in impact-resistant plastic |
| **DP40(2)-(7)** | Mushroom head impact button without latching, button Ø 37 mm in MS, coated |
| **DRZ45(2)(3)(5)** | Mushroom head impact button with latching, device head in MS, coated, pull to unlock |
| **WT21** | Spring-return rotary selector switch with 2 positions |
| **WT21.1** | Spring-return rotary selector switch with 2 positions, long gag |
| **WS21** | Selector switch with 2 latched positions |
| **WS21.1** | Selector switch with 2 latched positions, long gag |
| **WT32** | Spring-return rotary selector switch with 3 positions |
| **WT32.1** | Spring-return rotary selector switch with 3 positions, long gag |
| **WST32** | Spring-return rotary selector switch, 3 positions; right: latching, left: switching |
| **WST32.1** | Spring-return rotary selector switch, 3 positions; right: latching, left: switching; long gag |
| **WS32** | Selector switch with 3 latched positions |
| **WS32.1** | Selector switch with 3 latched positions, long gag |
| **WTS32** | Maintained spring-return rotary selector switch, 3 positions, right: switching, left: latching |
| **WTS32.1** | Maintained spring-return rotary selector switch, 3 positions, right: switching, left: latching; long gag |
| **SS21S2** | Key-operated selector switch with 2 latched positions, key withdrawal left only |

| | |
|---|---|
| **SS21S12** | Key-operated selector switch with 2 latched positions, key withdrawal right only |
| **SS21S12** | Key-operated selector switch with 2 latched positions, key withdrawal in both positions |
| **SS32S2** | Key-operated selector switch with 3 latched positions, key withdrawal left only |
| **SS32S2** | Key-operated selector switch with 3 latched positions, key withdrawal in the middle |
| **SS32S3** | Key-operated selector switch with 3 latched positions, key withdrawal right |
| **SS32S123** | Key-operated selector switch with 3 latched positions, key withdrawal in all 3 positions |
| **ST21S1** | Key-operated spring-return selector switch with 1 touch position, automatic return to the zero position, latch position 55°, key withdrawal left only |
| **ST32S2** | Key-operated spring-return selector switch with 2 touch positions left and right, automatic return to the zero position, key withdrawal only in the middle |
| **SST32S1** | Key-operated selector switch pushbutton with 3 positions, touch position 35°, latch position 55°, left switching, right latching, key withdrawal left only |
| **SST32S2** | Key-operated selector switch pushbutton with 3 positions, touch position 35°, latch position 55°, left switching, right latching, key withdrawal only in the middle |
| **STS32S2** | Key-operated selector switch pushbutton with 3 positions, touch position 35°, latch position 55°, left switching, right latching, key withdrawal only in the middle |
| **STS32S3** | Key-operated selector switch pushbutton with 3 positions, touch position 35°, latch position 55°, left switching, right latching, key withdrawal right only |
| **F 03** | Contact element with screw connection, 1 NO contact, Contact Label 3, 4 |
| **F 10** | Contact element with screw connection, 1 NC contact, Contact Label 1, 2 |
| **LDE WS 24** | White luminous element with integrated LED for illuminated pushbutton RDL / RDLM and indicator light RMLH |
| **B** | **Blanking plug** |

(2)

| | |
|---|---|
| **SW** | Black |
| (3) | |
| **GB** | Yellow |
| (4) | |
| **RT** | Red |
| (5) | |
| **GN** | Green |
| (6) | |
| **WS** | White |
| (7) | |
| **BL** | Blue |

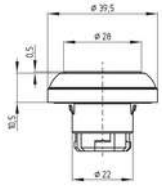
## Pictures

### Product picture (catalogue individual photo)



ID: krdt-f07
| 509.8 kB | .jpg | 352.425 x 367.594 mm - 999 x 1042 px - 72 dpi
| 38.6 kB | .png | 73.731 x 76.906 mm - 209 x 218 px - 72 dpi
| 54.2 kB | .jpg | 118.533 x 123.472 mm - 336 x 350 px - 72 dpi

### Dimensional drawing basic component



ID: 1rdt-g01
| 23.2 kB | .cdr |
| 2.5 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi
| 46.6 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 px - 72 dpi


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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