



## EX-RDLMGN

- Illuminated pushbutton
- Ex-Zone 1 and 21

## Data

### Ordering data

|                               |               |
|-------------------------------|---------------|
| Product type description      | EX-RDLMGN     |
| Article number (order number) | 101197355     |
| EAN (European Article Number) | 4030661543260 |
| eCl@ss number, version 12.0   | 27-37-12-11   |
| eCl@ss number, version 11.0   | 27-37-12-11   |
| eCl@ss number, version 9.0    | 27-37-12-11   |
| ETIM number, version 7.0      | EC000223      |
| ETIM number, version 6.0      | EC000223      |

### Approvals - Standards

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

### Explosion protection

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| 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                                              |
| Gross weight                         | 59 g                                                   |

## Safety classification

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

## Safety classification - Safety outputs

|                                               |                    |
|-----------------------------------------------|--------------------|
| B <sub>10D</sub> Normally-closed contact (NC) | 100,000 Operations |
|-----------------------------------------------|--------------------|

## Mechanical data

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

## Mechanical data - Dimensions

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

## Ordering code

Product type description:

EX-R(1)

(1)

|                       |                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------|
| <b>DT(2)-(7)</b>      | Pushbutton, Ø 28 mm, buttons in MS, coated                                                               |
| <b>DM(2)-(7)</b>      | Pushbutton with diaphragm, Ø 28 mm, buttons in MS, coated                                                |
| <b>DL(3)-(7)</b>      | Illuminated pushbutton, Ø 28 mm, swivel in impact-resistant plastic                                      |
| <b>DLM(3)-(7)</b>     | Illuminated pushbutton with diaphragm, Ø 28 mm, swivel in impact-resistant plastic                       |
| <b>MLH(3)-(7)</b>     | Indicator lights for LED's, protruding swivel in impact-resistant plastic                                |
| <b>DP40(2)-(7)</b>    | Mushroom head impact button without latching, button Ø 37 mm in MS, coated                               |
| <b>DRZ45(2)(3)(5)</b> | Mushroom head impact button with latching, device head in MS, coated, pull to unlock                     |
| <b>WT21</b>           | Spring-return rotary selector switch with 2 positions                                                    |
| <b>WT21.1</b>         | Spring-return rotary selector switch with 2 positions, long gag                                          |
| <b>WS21</b>           | Selector switch with 2 latched positions                                                                 |
| <b>WS21.1</b>         | Selector switch with 2 latched positions, long gag                                                       |
| <b>WT32</b>           | Spring-return rotary selector switch with 3 positions                                                    |
| <b>WT32.1</b>         | Spring-return rotary selector switch with 3 positions, long gag                                          |
| <b>WST32</b>          | Spring-return rotary selector switch, 3 positions; right: latching, left: switching                      |
| <b>WST32.1</b>        | Spring-return rotary selector switch, 3 positions; right: latching, left: switching; long gag            |
| <b>WS32</b>           | Selector switch with 3 latched positions                                                                 |
| <b>WS32.1</b>         | Selector switch with 3 latched positions, long gag                                                       |
| <b>WTS32</b>          | Maintained spring-return rotary selector switch, 3 positions, right: switching, left: latching           |
| <b>WTS32.1</b>        | Maintained spring-return rotary selector switch, 3 positions, right: switching, left: latching; long gag |
| <b>SS21S2</b>         | Key-operated selector switch with 2 latched positions, key withdrawal left only                          |
| <b>SS21S12</b>        | Key-operated selector switch with 2 latched positions, key withdrawal right only                         |

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

|           |        |
|-----------|--------|
| (3)       |        |
| <b>GB</b> | Yellow |
| (4)       |        |
| <b>RT</b> | Red    |
| (5)       |        |
| <b>GN</b> | Green  |
| (6)       |        |
| <b>WS</b> | White  |
| (7)       |        |
| <b>BL</b> | Blue   |

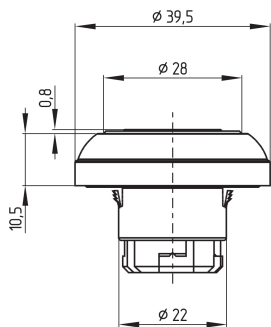
## Pictures

### Product picture (catalogue individual photo)



ID: krdlmf08  
 | 452.5 kB | .jpg | 352.425 x 367.594 mm - 999 x 1042 px - 72 dpi  
 | 39.9 kB | .png | 73.731 x 76.906 mm - 209 x 218 px - 72 dpi  
 | 60.1 kB | .jpg | 118.533 x 123.472 mm - 336 x 350 px - 72 dpi

### Dimensional drawing basic component



ID: 1rdl-g01  
 | 23.3 kB | .cdr |  
 | 3.7 kB | .png | 74.083 x 89.606 mm - 210 x 254 px - 72 dpi  
 | 114.0 kB | .jpg | 352.778 x 426.861 mm - 1000 x 1210 px - 72 dpi

