



## EX-RDTWS

- Ex-Zone 1 and 21
- Push button

## Data

### Ordering data

Product type description	EX-RDTWS
Article number (order number)	101197340
EAN (European Article Number)	4030661599823
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 IEC Ex
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### Explosion protection

Explosion protection: regulations	EN IEC 60079-0 EN 60079-11 EN 60079-14 EN 60079-31
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Explosion protection zones	1 21 2 22
Explosion protection category	2G 2D
Explosion protection designation	⊕ Ex II 2G Ex ib IIC Gb ⊕ Ex II 2D Ex ib IIIC Db

## General data

Standards	EN IEC 62061 EN ISO 13849-1 EN IEC 60947-5-1 EN IEC 60947-5-3 EN IEC 60947-5-5 EN IEC 60204-1 EN IEC 60947-1
Design	Round
Material of the identification label	Stainless steel (V4A)
Material of the front ring	Aluminium
Colour of the operating element	White
Colour of the front ring	Silver
Gross weight	67 g

## Safety classification

Mission time	20 Year(s)
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## Safety classification - Safety outputs

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

Actuating stroke	4 mm
Actuating force, approx.	1.5 N

## Mechanical data - Dimensions

Height	11 mm
Height of touch surface	0.5 mm
Mounting diameter	22.3 mm
Thickness, of the front panel, minimum	1 mm
Thickness of the front panel, maximum	6 mm

## Ambient conditions

Resistance to shock	50 g
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## Ordering code

Product type description:

EX-R(1)

(1)

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<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)**



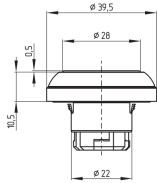
ID: krdt-f04

| 453.9 kB | .jpg | 352.425 x 367.594 mm - 999 x 1042 px - 72 dpi

| 37.6 kB | .png | 73.731 x 76.906 mm - 209 x 218 px - 72 dpi

| 49.7 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

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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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