



**EX-RDTSW/510D**

- Ex-Zone 1 and 21
- Push button

**Data**

**Ordering data**

|                               |               |
|-------------------------------|---------------|
| EAN (European Article Number) | 4030661422091 |
| eCl@ss number, Version 9.0    | 27-37-12-10   |

**Approval - Standards**

|              |               |
|--------------|---------------|
| Certificates | TÜV<br>TÜV EX |
|--------------|---------------|

**Explosion protection**

|                                   |                                                         |
|-----------------------------------|---------------------------------------------------------|
| Explosion protection: regulations | EN 60079-0<br>EN 60079-11<br>EN 60079-31<br>EN 60079-14 |
| Explosion protection zones        | 22<br>2<br>1<br>21                                      |
| Explosion protection category     | 2D<br>2G                                                |

Explosion protection designation

 II 2G Ex ib IIC Gb  
 II 2D Ex ib IIIC Db

**General data**

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

**Safety appraisal**

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

**Safety appraisal - Safety outputs**

|                                   |                    |
|-----------------------------------|--------------------|
| B10d Normally-closed contact (NC) | 100,000 Operations |
|-----------------------------------|--------------------|

**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 |

|                                          |               |
|------------------------------------------|---------------|
| Diameter of touch surface                | 28 mm         |
| Diameter hole                            | 22.3 mm       |
| Diameter hole, with tolerance indication | 22,3 + 0,4 mm |
| Thickness, of the front panel, minimum   | 1 mm          |
| Thickness of the front panel, maximum    | 6 mm          |
| Spacing                                  | 40 x 50 mm    |

## Ambient conditions

|                              |        |
|------------------------------|--------|
| Ambient temperature, maximum | +55 °C |
| Restistance to shock         | 50 g   |

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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.

Generated on: 11/9/2021, 10:16 AM