

# Datasheet

→ **SSWTLRRII** 

08/04/2025



## Technical data

Pushbutton with ring illumination

|           |                                        |
|-----------|----------------------------------------|
| Type      | SSWTLRRII                              |
| Series    | SHORTRON®                              |
| Rubric    | Pushbutton                             |
| Approvals | CCC, CE, cURus, DNV, ENEC10, VDE, UKCA |



## → General data

|                            |                  |
|----------------------------|------------------|
| Design                     | Round            |
| Illumination               | Yes              |
| Operating temperature      | -25 °C ... 70 °C |
| Panel cut-out              | Ø 22.3 mm        |
| Mounting depth             | 25.1 mm          |
| Lens colour                | Black            |
| Front bezel colour         | Black            |
| Colour illuminated ring    | Red              |
| Contact material           | AgNi             |
| Storage temperature        | -40 °C ... 80 °C |
| Degree of protection front | IP65<br>IP67     |
| Material group             | I                |

## → Electrical data

|                                                            |                                                                    |
|------------------------------------------------------------|--------------------------------------------------------------------|
| <i>Rated operating voltage</i><br><i>IEC/EN 60947-5-1</i>  | 240 V AC<br>120 V AC<br>250 V DC<br>125 V DC<br>60 V DC<br>24 V DC |
| <i>Rated operating current</i><br><i>IEC/EN 60947-5-1</i>  | 1.5 A AC<br>3 A AC<br>0.27 A DC<br>0.55 A DC<br>1 A DC<br>2 A DC   |
| <i>Rated insulation voltage</i><br><i>IEC/EN 60947-5-1</i> | 250 V AC<br>250 V DC                                               |
| <i>Rated voltage</i><br><i>IEC/EN 61058-1</i>              | 250 V AC/DC                                                        |
| <i>Rated current</i><br><i>IEC/EN 61058-1</i>              | 6(4) A                                                             |
| <i>Contact resistance</i>                                  | < 20 mΩ NO                                                         |
| <i>Electrical lifetime</i>                                 | 1,000,000 switching cycles                                         |
| <i>Illuminant colour</i>                                   | White                                                              |
| <i>Utilisation category</i><br><i>IEC/EN 60947-5-1</i>     | AC15 B300<br>DC13 Q300                                             |
| <i>Contact type</i>                                        | 2NO                                                                |
| <i>Illuminant power</i>                                    | 14 mA DC 24 V                                                      |
| <i>Illuminant</i>                                          | LED integrated                                                     |
| <i>Illuminant connection</i>                               | X1...anode, X2...cathode                                           |
| <i>Operating voltage illuminant</i>                        | max. 30 V AC/DC                                                    |
| <i>Bouncing time</i>                                       | < 10 ms NO                                                         |
| <i>Switching capacity</i>                                  | 240 V AC/DC<br>1.5 A<br>250 V AC/DC<br>6 A                         |

|                                                        |                                  |
|--------------------------------------------------------|----------------------------------|
| <i>Minimum voltage</i>                                 | 5 V                              |
| <i>Current minimal</i>                                 | 1 mA under laboratory conditions |
| <i>Thermal continuous current<br/>IEC/EN 60947-5-1</i> | 5 A AC                           |
| <i>Overvoltage category</i>                            | II                               |
| <i>Pollution degree</i>                                | 2                                |

**DC13:** > 100,000 switching cycles

## → Mechanical data

|                                     |                                  |
|-------------------------------------|----------------------------------|
| <i>Connection</i>                   | Faston terminals 2.8 mm x 0.8 mm |
| <i>Operating travel</i>             | 2.3 mm                           |
| <i>Tightening torque fixing nut</i> | 1.5 Nm ... 1.9 Nm                |
| <i>Mounting position</i>            | Any                              |
| <i>Mechanical lifetime</i>          | 1,000,000 switching cycles       |
| <i>Switching function</i>           | Momentary function               |

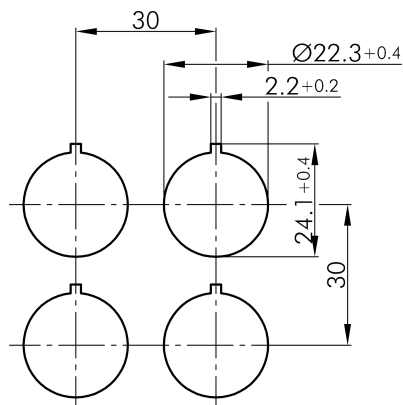
- Designs for blade terminals: use partially or fully insulated blade receptacles

## Technical drawings

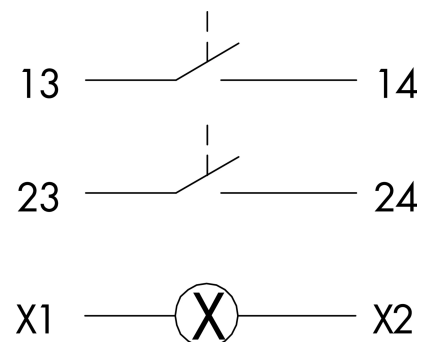
→ Dimensional drawing



→ Cutout dimensions



→ Circuit diagram



→ Switching path diagram

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13/14

23/24