

# Datasheet

## → SCTRLWF1 109

09/30/2025



### Technical data

Tactile pushbutton with white ring illumination

|           |                                   |
|-----------|-----------------------------------|
| Type      | SCTRLWF1 109                      |
| Series    | SHORTRON®                         |
| Rubric    | Pushbutton                        |
| Approvals | CCC, CE, ENEC10, VDE, cURus, UKCA |



Illustration similar

### → General data

|                            |                  |
|----------------------------|------------------|
| Design                     | Round            |
| Illumination               | Yes              |
| Labelling option           | No               |
| Operating temperature      | -25 °C ... 70 °C |
| Panel cut-out              | Ø 22.3 mm        |
| Mounting depth             | 16 mm            |
| Lens colour                | Silver-coloured  |
| Front bezel colour         | Silver-coloured  |
| Colour illuminated ring    | White            |
| Storage temperature        | -40 °C ... 80 °C |
| Standards                  | EN 61058-1       |
| Ring illumination          | Yes              |
| Degree of protection front | IP65<br>IP67     |

Flat plug connections 2.8 x 0.8 mm are not suitable for manual soldering

## → Electrical data

|                                      |                                                           |
|--------------------------------------|-----------------------------------------------------------|
| <i>Contact resistance</i>            | < 50 mΩ NO new state<br>< 100 mΩ NC new state             |
| <i>Electrical lifetime</i>           | 1,000,000 switching cycles at rated voltage               |
| <i>Illuminant colour</i>             | White                                                     |
| <i>Contact type</i>                  | 1CO                                                       |
| <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>Rated voltage</i>                 | 20 mV ... 48 V AC/DC                                      |
| <i>Rated current</i>                 | 0,01 mA ... 100 mA                                        |
| <i>Bouncing time</i>                 | < 10 ms NC<br>< 10 ms NO                                  |
| <i>Rating information acc. to UL</i> | 20 mV ... 48 V AC/DC<br>0,01 mA ... 100 mA<br>max. 250 mW |
| <i>Switching capacity</i>            | 48 V AC/DC<br>100 mA AC/DC                                |

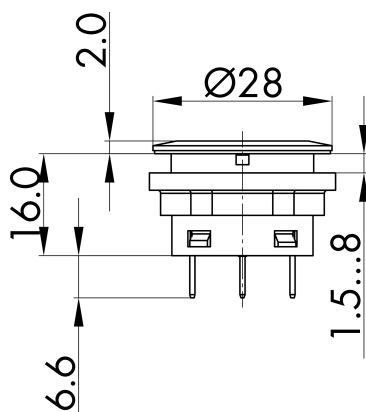
## → Mechanical data

|                                     |                                  |
|-------------------------------------|----------------------------------|
| <i>Connection</i>                   | Faston terminals 2.8 mm x 0.8 mm |
| <i>Connection type</i>              | Faston terminals                 |
| <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         |
| <i>Tactile</i>             | Yes                        |

## Technical drawings

→ Dimensional drawing



→ Cutout dimensions



→ Circuit diagram

