

# Datasheet

## → SZU\_C002

12/04/2025



### Technical data

Three-position enabling switch with rubber cap

|           |                   |
|-----------|-------------------|
| Type      | SZU_C002          |
| Series    | SHORTRON® connect |
| Rubric    | Enabling switch   |
| Approvals | CE, UKCA          |



### → General data

|                            |                                                    |
|----------------------------|----------------------------------------------------|
| Design                     | Round                                              |
| Operating temperature      | -10 °C ... 60 °C with rubber cap                   |
| Panel cut-out              | Ø 22.3 mm                                          |
| Mounting depth             | 37.5 mm                                            |
| Front bezel colour         | Silver-coloured                                    |
| Storage temperature        | -40 °C ... 80 °C                                   |
| Standards                  | EN 60947-5-1<br>EN 60947-5-8                       |
| Degree of protection front | IP65 with rubber cap                               |
| Degree of protection rear  | IP65 with connected M12<br>IP67 with connected M12 |

### Note

- For use in safety-relevant applications, please observe the respective regulations of the countries

## → Electrical data

|                                                       |                            |
|-------------------------------------------------------|----------------------------|
| <i>Rated operating voltage</i><br>IEC/EN 60947-5-1    | 35 V AC<br>30 V DC         |
| <i>Rated operating current</i><br>IEC/EN 60947-5-1    | 0.3 A AC<br>0.7 A DC       |
| <i>Rated insulation voltage</i><br>IEC/EN 60947-5-1   | 50 V AC<br>50 V DC         |
| <i>Electrical lifetime</i>                            | > 100,000 switching cycles |
| <i>Utilisation category</i><br>IEC/EN 60947-5-1       | AC15<br>DC13               |
| <i>Contact type</i>                                   | 2 Zustimmfunktion          |
| <i>Short circuit protection SCPD</i>                  | D0 (safety fuse) 4 A gG    |
| <i>Breaking capacity</i>                              | 10 I <sub>e</sub> AC       |
| <i>Thermal continuous current</i><br>IEC/EN 60947-5-1 | 3 A AC<br>3 A DC           |
| <i>Overvoltage category</i>                           | II                         |
| <i>Pollution degree</i>                               | 2                          |

### Note

- The NC contacts are not designed for positive opening in accordance with EN 60947-5-1 Annex K
- Alternatively, however, comparably safe techniques can be used in accordance with DGUV GS-ET-22, e.g. control monitoring of both NC contacts (two-channel)

### Specifications for AC/DC12

AC12 35V / 0,5 A

DC12 30V / 1,0A

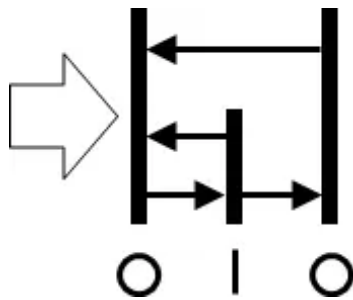
### Pin assignment

| Pins | Contact |
|------|---------|
| 1-2  | NO 1    |
| 3-4  | NO 2    |

## → Mechanical data

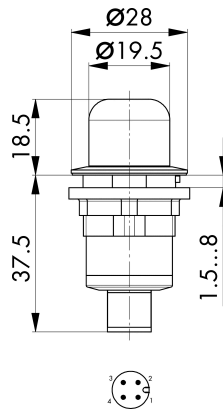
|                                     |                                                                          |
|-------------------------------------|--------------------------------------------------------------------------|
| <i>Impact resistance</i>            | 250 N                                                                    |
| <i>connection</i>                   | M12 connector 4-polig A coded                                            |
| <i>Operating travel</i>             | 5 mm                                                                     |
| <i>Tightening torque connection</i> | 0.4 Nm                                                                   |
| <i>Tightening torque fixing nut</i> | 1.5 Nm ... 2.5 Nm                                                        |
| <i>Mechanical lifetime</i>          | > 1,000,000 switching cycles 1-2-1<br>> 100,000 switching cycles 1-2-3-1 |
| <i>Switching function</i>           | Enabling function                                                        |

### Activation path

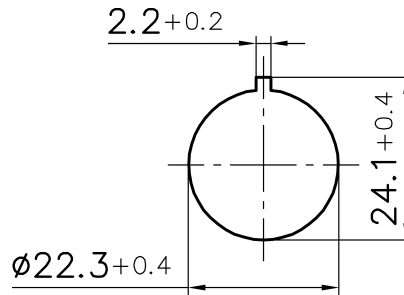


## Technical drawings

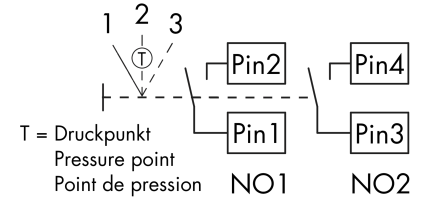
### → Dimensional drawing



### → Cutout dimensions



### → Circuit diagram



### → Switching path diagram

