

# Datasheet

## → SVATLRGI\_C005

03/12/2026



### Technical data

Pushbutton with green ring lighting and 4-pin M12 connection

|           |                              |
|-----------|------------------------------|
| Type      | SVATLRGI_C005                |
| Series    | SHORTRON® connect            |
| Rubric    | Pushbutton                   |
| Approvals | CE, cURus, ENEC10, VDE, UKCA |



Illustration similar

### → General data

|                         |                            |
|-------------------------|----------------------------|
| Design                  | Round                      |
| Illumination            | Yes                        |
| Operating temperature   | -25 °C ... 70 °C           |
| Panel cut-out           | Ø 22.3 mm                  |
| Mounting depth          | 34 mm                      |
| Lens colour             | Stainless steel            |
| Front bezel colour      | Stainless steel            |
| Colour illuminated ring | Green                      |
| Contact material        | AgNi                       |
| Storage temperature     | -40 °C ... 80 °C           |
| Standards               | EN 60947-5-1<br>EN 61058-1 |
| Ring illumination       | Yes                        |

|                            |                                                    |
|----------------------------|----------------------------------------------------|
| Degree of protection front | IP65<br>IP67                                       |
| Degree of protection rear  | IP65 with connected M12<br>IP67 with connected M12 |
| Material group             | I                                                  |

## → Electrical data

|                                                |                                                                                   |
|------------------------------------------------|-----------------------------------------------------------------------------------|
| Rated operating voltage<br>IEC/EN 60947-5-1    | 35 V AC<br>35 V DC                                                                |
| Rated operating current<br>IEC/EN 60947-5-1    | 4 A AC<br>2 A DC                                                                  |
| Rated insulation voltage<br>IEC/EN 60947-5-1   | 50 V AC<br>50 V DC                                                                |
| Contact resistance                             | < 50 mΩ NO new state                                                              |
| Electrical lifetime                            | 1,000,000 switching cycles at rated voltage<br>max. 100,000 switching cycles DC13 |
| Utilisation category<br>IEC/EN 60947-5-1       | AC-15<br>DC-13                                                                    |
| Contact type                                   | 1NO                                                                               |
| Illuminant power                               | max. 14 mA DC 24 V                                                                |
| Illuminant                                     | LED integrated                                                                    |
| Illuminant connection                          | X1...anode, X2...cathode                                                          |
| Operating voltage illuminant                   | max. 30 V AC/DC                                                                   |
| Illuminant colour                              | White                                                                             |
| Bouncing time                                  | < 10 ms NO                                                                        |
| Rating<br>information acc. to UL               | General Purpose 24 V 2 A DC                                                       |
| Switching capacity                             | 35 V AC<br>4 A<br>35 V DC<br>2 A                                                  |
| Thermal continuous current<br>IEC/EN 60947-5-1 | 4 A AC                                                                            |

*Overvoltage category* II

*Pollution degree* 2

### **Safety instructions / installation instructions**

- The plug connector must not be connected or disconnected under load
- The individual connector pin may be loaded with max. 4A

### **Pin assignment**

|      |      |
|------|------|
| Pin1 | NO   |
| Pin2 | NO   |
| Pin3 | LED- |
| Pin4 | LED+ |

## **→ Mechanical data**

*Connection* M12 connector 4-polig A coded

*Operating travel* 2.3 mm Push button

*Tightening torque connection* max. 0.4 Nm

*Tightening torque fixing nut* 1.5 Nm ... 1.9 Nm

*Mounting position* Any

*Mechanical lifetime* 1,000,000 switching cycles

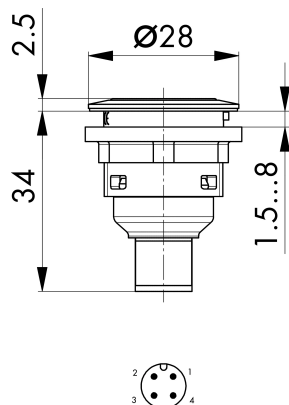
*Switching function* Momentary function

### **Safety instructions / installation instructions**

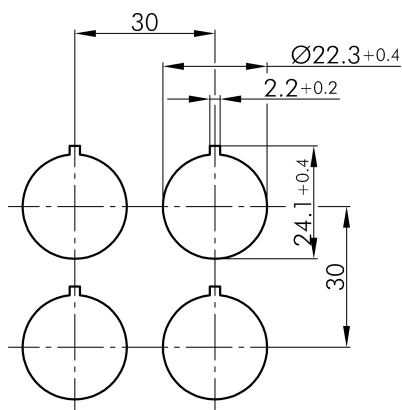
- The M12 connection must not be subjected to mechanical loads, ensure sufficient strain relief!

## Technical drawings

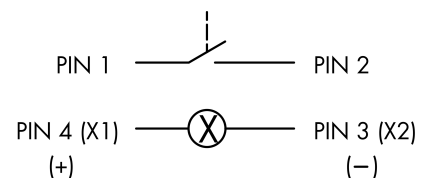
### → Dimensional drawing



### → Cutout dimensions



### → Circuit diagram



### → Switching path diagram

