

**SIL\_QRBDUVOOM125**

05.04.2018

**Active illuminated emergency-stop with status indication active (illuminated) / inactive (non-illuminated) with diagnostic unit**

**General Data**

|                              |                                                                                   |
|------------------------------|-----------------------------------------------------------------------------------|
| Type reference               | SIL_QRBDUVOOM125                                                                  |
| Description                  | Emergency-stop, active/inactive (with LED monitoring)                             |
| Approvals                    | -, CE, UKCA                                                                       |
| Contact type                 | 2 NC                                                                              |
| Protection class             | III                                                                               |
| Degree of protection         | IP65                                                                              |
| Connection type              | 5-pole M12 connector, A coded AIDA pin 1-4:NC 1; pin 5-2:NC 2; pin 3: GND / OV Ub |
| Contact material             | AgNi                                                                              |
| Max. storage temperature     | -25 °C ... 75 °C                                                                  |
| Max. operating temperature   | -25°C ... 55°C                                                                    |
| Mechanical life              | > 6,050 switching cycles                                                          |
| Electrical life (rated load) | > 6,050 switching cycles                                                          |
| Bouncing time NC             | < 10ms                                                                            |
| Positive opening contact     | acc. to EN60947-5-1, appendix K                                                   |

**Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)**

|                             | alternate current | direct current     |
|-----------------------------|-------------------|--------------------|
| Utilisation category        | -                 | DC13               |
| Rated insulation voltage Ui | -                 | 50 V               |
| Rated operating voltage Ue  | -                 | 24 V (-20% / +15%) |
| Rated operating current Ie  | -                 | 0.3 A              |
| Breaking capacity           | -                 | -                  |
| Continuous thermal current  | -                 | 0,3 A              |

**Additional data**

|                   |                              |
|-------------------|------------------------------|
| Mounting aperture | 22.3 mm                      |
| Release           | twist release, left or right |
| Mounting position | any                          |



|                      |                                                        |
|----------------------|--------------------------------------------------------|
| Standards            | EN 60204-1, EN ISO 13849-1, EN ISO 13850, EN 60947-5-5 |
| Overvoltage category | II                                                     |
| Fuse                 | contact safety, fast-acting fuse $\leq 1$ A            |
| Power consumption    | 2.1 W                                                  |

## Reliability data

|                 |                                                                                  |
|-----------------|----------------------------------------------------------------------------------|
| B10d [cycles]   | 100,000                                                                          |
| PL (EN 13849-1) | visibility of the red lighting: d; cat: 2; PFHD [1/h]: $3.00E-07$ ; TM [year]: 2 |

## Note

This data sheet contains only an excerpt of the technical data and does not replace the operating and installation instructions. The manual is available online, please refer to: <http://www.schlegel.biz/web/de/manuals.php>

In its active state, the SIL\_QRBDUVROOM125 emergency-stop device is illuminated (red lighting of the actuator) and thus fulfills the requirements of EN ISO 13850.

When inactive, the SIL\_QRBDUVROOM125 E-stop device is not illuminated and cannot be identified as an emergency stop. The emergency-stop function is deactivated.

The integrated diagnostic unit permanently monitors the status of the lighting. If the lighting fails, the emergency stop signal is triggered immediately.

- With anti-lock collar
- Configurable, integrated flashing function of the yellow protective collar after pressing the emergency stop button
- Must be connected to an evaluation unit (see manual)
- For indoor use only, protect from direct sunlight

Sketches:



