

# Datasheet

→ **SIL\_QRBUVOOI** 

01/14/2025



## Technical Data

Series	SIL
Rubric	Iso housing equipped



## → General Data

Illumination	No
Protection class	IP65
Approvals	CE, UKCA, cURus
Operating temperature	-25 ... 60 °C
Storage temperature	-25 ... 85 °C
Housing color	Lower part black/upper part yellow
Connection	Screw connection 2x 2.5 mm <sup>2</sup>
Contact material	AgNi
Contact type	2 NC 1 NO

## → Electrical Data

<i>Rated operating voltage</i> IEC/EN 60947-5-1	240 V AC
	440 V AC
	24 V DC
	60 V DC
	125 V DC
	250 V DC
<i>Rated operational current</i> IEC/EN 60947-5-1	440 V DC
	3 A AC
	1.6 A AC
	2 A DC
	1 A DC
	0.4 A DC
	0.2 A DC
0.12 A DC	
<i>Rated insulation voltage</i> IEC/EN 60947-5-1	600 V AC
	600 V DC
<i>Continuous thermal current</i>	16 A AC
	16 A DC
<i>Rated voltage</i>	250 V AC/DC
	440 V AC/DC
<i>Rated current</i>	16(10) A
	10(6) A
<i>Rated impulse withstand voltage</i>	4 kV
<i>Electrical life</i>	50,000 Switching cycles at nominal load
	1,000,000 Switching cycles at nominal load (contactor only)
<i>Conditional short-circuit current</i>	1000 A
<i>Contact resistance</i>	NC < 20 Ohm
	NO < 20 Ohm
<i>Bounce time</i>	NC < 10 ms
	NO < 20 ms

## → Mechanical Data

<i>Mechanical life</i>	50,000 Switching cycles 20°C
<i>Unlocking</i>	Rotary release left/right

## → Note

Housing mounting hole  $\varnothing$  4.2 mm

Approvals

Contact blocks: CCC, CSA, cULus, DNVGL, ENEC05, KEMA, CE, TÜV\_Süd, UKCA

Actuator: CCC, cULus, TÜV\_SÜD, UKCA, UR (NDIS2)

Note: The user must ensure that the contact blocks installed in the housing are connected properly so that the requirements for a protective insulated housing with regard to clearance and creepage distances are met when used as intended.

## Technical Drawings

### → Dimensional drawing

