

Datasheet

→ **MKTO** 

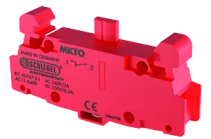
09/09/2025



Technical data

Push-button contact element

Type	MKTO
Series	Contact blocks MK...
Rubric	Modular contact block
Approvals	CE, UKCA, cULus



→ General data

Illumination	No
Operating temperature	-40 °C ... 70 °C
Flammability class UL94	V0
Enclosure colour	Red
Weight	9 g
Contact material	AgNi
Storage temperature	-50 °C ... 85 °C
Material	PA66
Degree of protection front	IP20

→ Electrical data

Stripping length	9 mm
Conditional short circuit current	1000 A

<i>Rated operating voltage</i> <i>IEC/EN 60947-5-1</i>	240 V AC 480 V AC 250 V DC 125 V DC 60 V DC 24 V DC
<i>Rated operating current</i> <i>IEC/EN 60947-5-1</i>	3 A AC 1.5 A AC 0.2 A DC 0.4 A DC 1 A DC 2 A DC
<i>Rated insulation voltage</i> <i>IEC/EN 60947-5-1</i>	600 V AC 600 V DC
<i>Contact resistance</i>	< 30 mΩ NC
<i>Electrical lifetime</i>	1,000,000 switching cycles at 240 V / 3 A (AC15) 50,000 switching cycles at 480 V / 1.5 A (AC15) 1,000,000 switching cycles at 250 V / 0.2 A (DC13) 200,000 switching cycles at 24 V / 3 A (DC13)
<i>Utilisation category</i> <i>IEC/EN 60947-5-1</i>	AC15 A600 DC13 Q600
<i>Contact type</i>	1NC
<i>Short circuit protection SCPD</i>	16 A char. C
<i>Bouncing time</i>	< 10 ms NC
<i>Rating</i> <i>information acc. to UL</i>	Heavy pilot duty A600 600 V AC Heavy pilot duty A600 1.2 A AC Heavy pilot duty Q600 24 V DC Heavy pilot duty Q600 2 A DC
<i>Switching capacity</i>	240 V AC/DC 3 A 24 V DC 2 A
<i>Breaking capacity</i> <i>IEC/EN 60947-5-1</i>	10 I _e AC 1.1 I _e DC
<i>Minimum voltage</i>	5 V
<i>Current minimal</i>	1 mA under laboratory conditions
<i>Thermal continuous current</i> <i>IEC/EN 60947-5-1</i>	16 A AC

Overvoltage category	III
Pollution degree	3
Supply voltage	5 V
Supply operating current	1 mA under laboratory conditions

Note on PELV/SELV

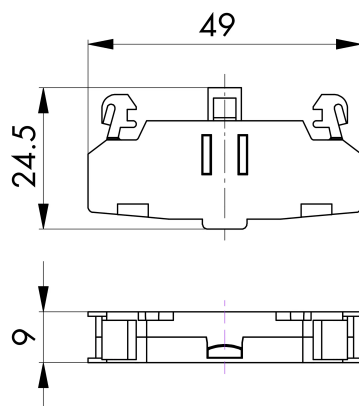
- If modules are used in a SELV (PELV) circuit and other circuits at the same time, the maximum permissible voltage U_e/U_i is limited to 300AC in accordance with EN 60947-1.

→ Mechanical data

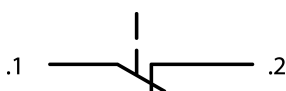
Connection	Screw connection Torx/slotted, min: 1x 0.5 mm ² , 2x 0.5 mm ² , max: 2x 2.5 mm ²
Operating travel	4 mm
Tightening torque connection	0.8 Nm ... 1 Nm
Mechanical lifetime	> 1,000,000 switching cycles max. 50,000 switching cycles emergency-stop
Switching function	Momentary function
Positive opening	Acc. to EN60947-5-1, appendix K

Technical drawings

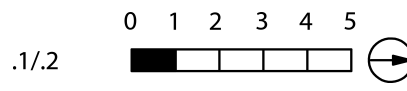
→ Dimensional drawing



→ Circuit diagram



→ Switching path diagram



Awards

