



## Breaker MT10N1

URL:<https://www.sxplc.com/breaker-mt10n1>

### Product data sheet

[Icu] rated ultimate short-circuit breaking capacity

50 kA on... 220/415 V AC 50/60 Hz

50 kA on ... 440 V AC 50/60 Hz

42 kA at... 525 V AC 50/60 Hz

42 kA on ... 690 V AC 50/60 Hz

Using breaking capacity [Ics]

42 kA at ... 220/415 V AC 50/60 Hz

42 kA on ... 440 V AC 50/60 Hz

50 kA on ... 525 V AC 50/60 Hz

50 kA on ... 690 V AC 50/60 Hz

Rated short-time withstand current [ $I_{cw}$ ] 42 kA

42 kA 0.5 s

42 kA 1 s

20 kA 3 s

Closing capacity [ $I_{cm}$ ]

105 kA 220/415 V AC at 50/60 Hz on....

105 kA 440 V AC at... 50/60 Hz

88 kA 525 V AC at... 50/60 Hz

88 kA 690 V AC at... 50/60 Hz

Integrated instantaneous protection (DIN in kA peak)

81...99 kA

Sensor rating

400 A

1000 A

Rated insulation voltage [Ui]

1000 V AC 50/60 Hz

Rated withstand voltage [Uimp]

12 kV

Power consumption W

80 W

Breaking time

25 ms

Maximum closing response time

50 ms

Installation

Base plate mounting

Guide rail

Connection type - top

Front

Rear

Connection type - lower

Front Connection

Rear

Distance between phases

70 mm

Mechanical life

12500 cycles without maintenance

Electrical life

6000 cycles 440 V AC 50/60 Hz without maintenance in accordance with TM-D

3000 cycles 690 V AC 50/60 Hz without maintenance in accordance with TM-D

AC-23A: 6000 cycles 440 V AC 50/60 Hz non-maintainable Conforms to EN/IEC 60947-3

AC-23A: 3000 cycles 690 V AC 50/60 Hz no maintenance Conforms to EN/IEC 60947-3

AC-3: 6000 cycles 440 V AC 50/60 Hz without maintenance Conforms to EN/IEC 60947-3

Height

301 mm

Height 301 mm

276 mm

Depth

196 mm

Net weight

14 kg

Conformity

EN/IEC 60947-1

TM-D

Product certification

CE

CCC

EAC

