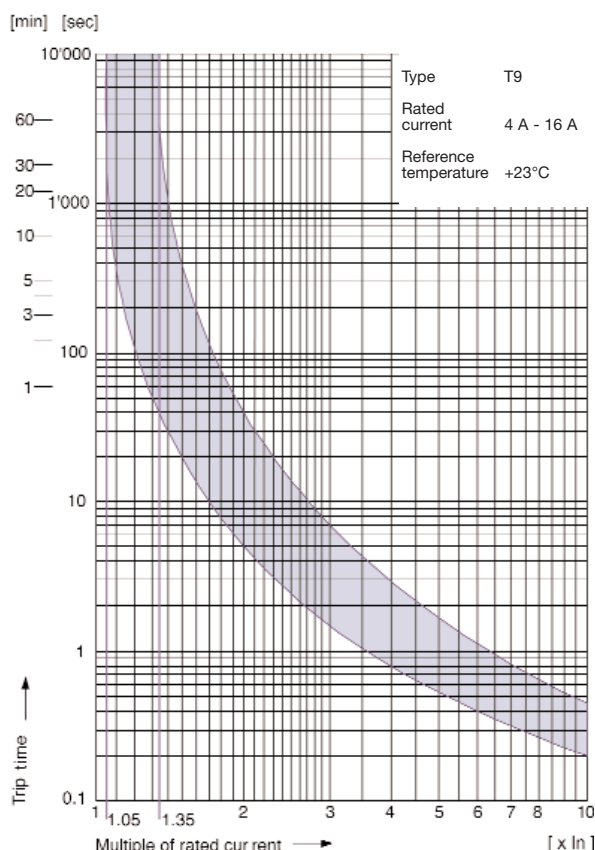


Tripping characteristics



Product description

T9 is a single pole thermal circuit breaker with cycling trip-free release in a compact housing. The attractive design offers snap-in mounting, quick connect terminals and push to reset operation. Rated currents available from 4 A up to 16 A.

Typical applications are power supplies, charging units, power tools, household appliances, electrical machines for leisure and hobby.

Effect of ambient temperature

The units are calibrated for an ambient temperature of +23°C. To determine the rated current for a lower or higher ambient temperature, use a correction factor from the table below:

Ambient temperature (°C)	Correction factor
- 5	0,90
+ 10	0,95
+ 23	1,00
+ 40	1,08
+ 60	1,19

Example

Rated current at +23°C	10,0 A
Ambient temperature	+ 60°C
Correction factor	1,19
Chosen rated current at +60°C ambient temperature	10,0 A x 1,19 = 11,9 A

Technical data

Rated voltage U_e	see approvals	AC 240 V DC 48 V / 32 V
Rated current I_n	see approvals	4 - 16 A
Conditional short circuit current I_{nc}	PC1, AC 240 V	2000 A
Short circuit capacity I_{cn}	AC 240 V	8 x I_n
Degree of protection	Accessible range	IP 40
	Termination range	IP 00
Dielectric strength		AC 1500 V
Insulation resistance	DC 500 V	> 100 M
Ambient temperature		- 5°C to + 60°C
Type of actuation	Reset Type (manual)	R
Type of tripping		Cycling trip-free
Weight		9 g

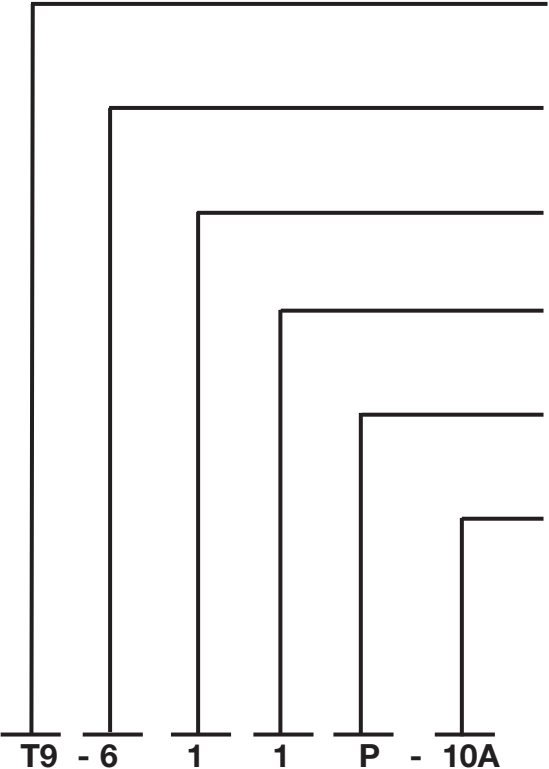
Approvals

			Rated currents	Rated voltage AC	Rated voltage DC
	UL	UL 1077	4 - 16 A *	240 V	48 V (4-8A) / 32V (10-16A)**
	UL	CSA C22.2 235	4 - 16 A *	240 V	48 V (4-8A) / 32V (10-16A)**
	VDE	EN 60934	4 - 16 A *	240 V	48 V pending
	CCC	GB 17701	4 - 16 A *	240 V	48 V pending

* Actual information about approvals can be found on: www.schurter.com/approvals

** 4A pending

Order code

	Basic type
	T9 single pole, thermal overload switch, cycling trip-free
	Mounting style
	6 snap-in type for panel thickness 0,8...2,0 mm
	Actuation type
	1 reset type (R-type)
	Terminal type
	1 6,3 x 0,8 mm quick connect terminals IEC 61210
	Front printing
	P rated current printed on front
	Rated current
	4 A
	5 A
	6 A
	8 A
	10 A
	12 A
	16 A

Dimensions

