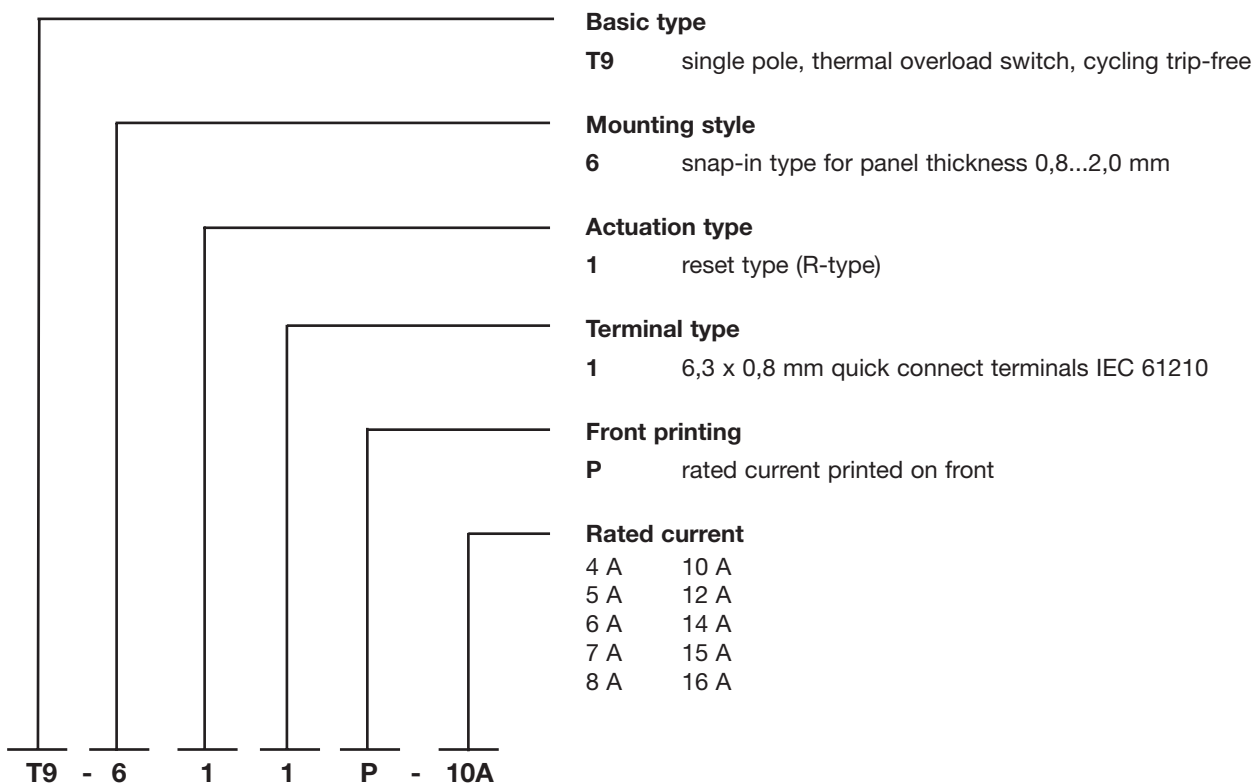


## Approvals

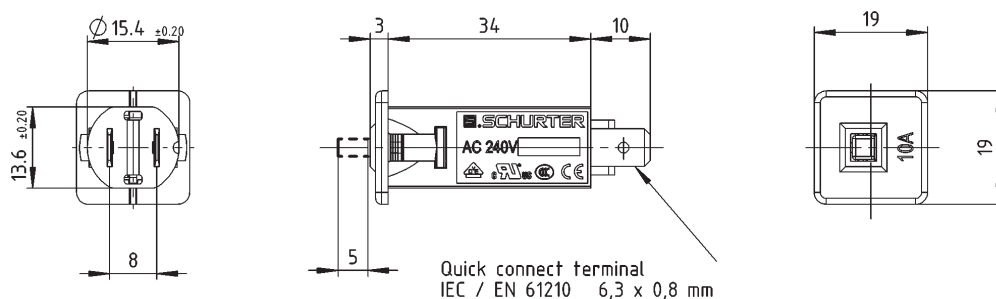
|                                                                                   |     |               | Rated currents | Rated voltage AC | Rated voltage DC |
|-----------------------------------------------------------------------------------|-----|---------------|----------------|------------------|------------------|
|  | UL  | UL 1077       | 4 - 8 A        | 240 V            | 48 V             |
|                                                                                   |     |               | 10 - 16 A      | 240 V            | 32 V             |
|                                                                                   | UL  | CSA C22.2 235 | 4 - 8 A        | 240 V            | 48 V             |
|                                                                                   |     |               | 10 - 16 A      | 240 V            | 32 V             |
|  | VDE | EN 60934      | 4 - 16 A       | 240 V            | 48 V             |
|  | CQC | GB 17701      | 4 - 16 A       | 240 V            | 48 V             |

Actual information about approvals can be found on: [www.schurter.com/approvals](http://www.schurter.com/approvals)

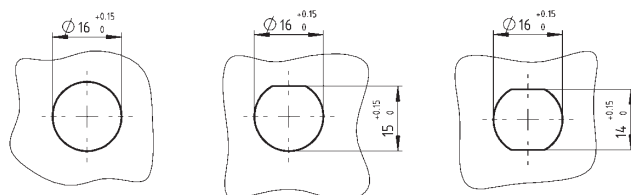
## Order code



## Dimensions



## Mounting Holes



Thickness of mounting panel  
S = 0,8 - 2,0 mm

Recommended mounting panel thickness  
0,8 / 1,2 / 1,6 / 2,0 mm



Lead-free

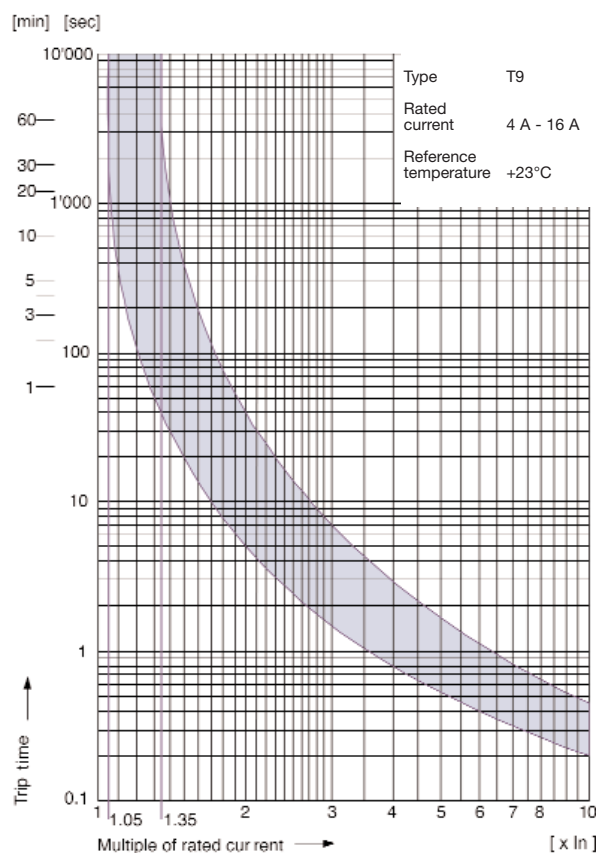
### Product description

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.

### Tripping characteristics



### 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                     | 1,21              |

### Example

|                                                   |                                               |
|---------------------------------------------------|-----------------------------------------------|
| Rated current at +23°C                            | 10,0 A                                        |
| Ambient temperature                               | + 60°C                                        |
| Correction factor                                 | 1,21                                          |
| Chosen rated current at +60°C ambient temperature | $10,0 \text{ A} \times 1,21 = 12,1 \text{ A}$ |

### Technical data

|                                            |                     |                        |
|--------------------------------------------|---------------------|------------------------|
| Rated voltage $U_e$                        | see approvals       | AC 240 V<br>DC 48/32 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            | $8 \times I_n$         |
| Degree of protection                       | Accessible range    | IP 40                  |
|                                            | Termination range   | IP 00                  |
| Dielectric strength                        |                     | AC 1500 V              |
| Insulation resistance                      | DC 500 V            | > 100 MΩ               |
| Ambient temperature                        |                     | - 5°C to + 60°C        |
| Type of actuation                          | Reset Type (manual) | R                      |
| Type of tripping                           |                     | Cycling trip-free      |
| Weight                                     |                     | 9 g                    |