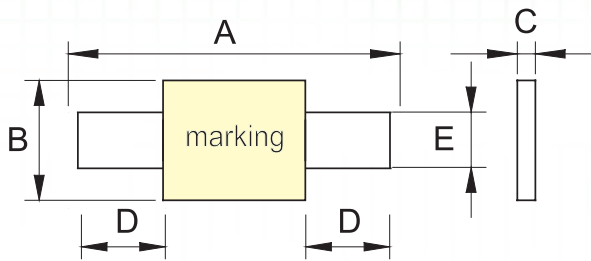
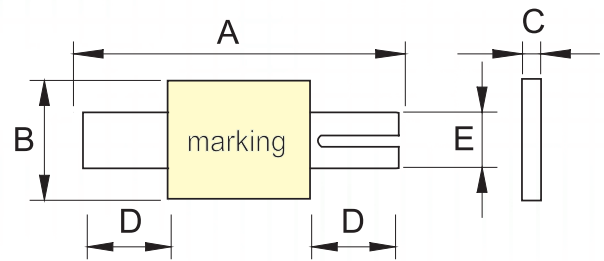


Construction and Dimensions



Style1



Style2

Unit:mm

| Model | A | | B | | C | | D | | E | | Style |
|---------|------|------|------|------|------|------|------|------|------|------|-------|
| | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | |
| STP120 | 20.0 | 22.1 | 4.8 | 5.3 | 0.5 | 1.1 | 4.7 | 6.7 | 3.8 | 4.2 | 1 |
| STP120S | 20.0 | 22.1 | 4.8 | 5.3 | 0.5 | 1.1 | 4.7 | 6.7 | 3.8 | 4.2 | 2 |
| STP175 | 20.5 | 23.1 | 4.8 | 5.3 | 0.5 | 1.1 | 4.0 | 6.0 | 3.8 | 4.2 | 1 |
| STP175S | 20.5 | 23.1 | 4.8 | 5.3 | 0.5 | 1.1 | 4.0 | 6.0 | 3.8 | 4.2 | 2 |
| STP200 | 20.0 | 23.1 | 4.8 | 5.3 | 0.5 | 1.1 | 4.7 | 6.7 | 3.8 | 4.2 | 1 |
| STP350 | 23.5 | 26.0 | 9.8 | 10.5 | 0.5 | 1.1 | 5.0 | 7.0 | 5.7 | 6.3 | 1 |
| STP420 | 23.5 | 26.0 | 9.8 | 10.5 | 0.5 | 1.1 | 5.0 | 7.0 | 5.7 | 6.3 | 1 |

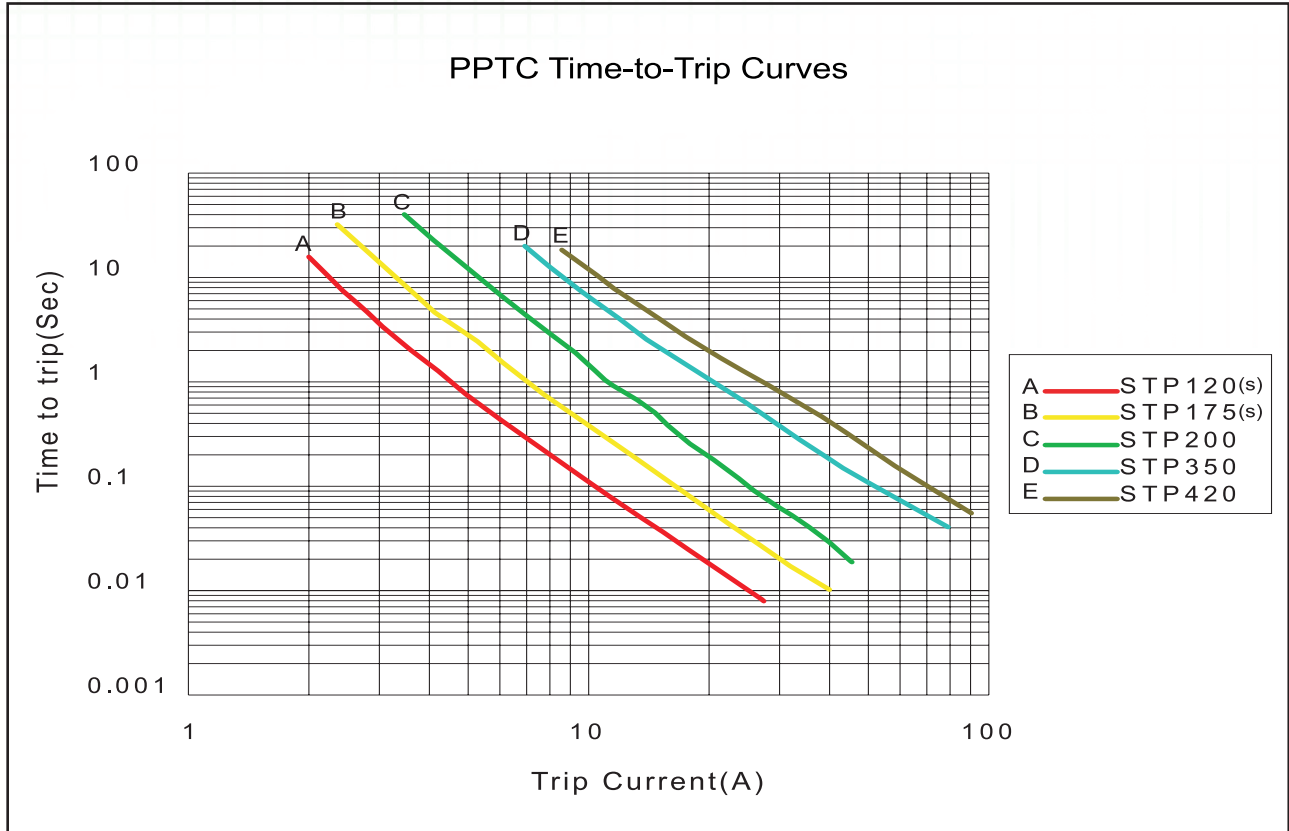
* Slit size : 0.5mm x 4.0mm (Nominal)

Electrical Characteristics at 23°C :

| Model | V _{max} (Volts) | I _{max} (Amps) | I _{hold} (Amps) | I _{trip} (Amps) | R _{min} (Ω) | R _{max} (Ω) | RI _{max} (Ω) | P _(d) (Watts) |
|---------|-----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------|
| STP120 | 15 | 100 | 1.2 | 2.70 | 0.085 | 0.160 | 0.220 | 1.20 |
| STP120S | 15 | 100 | 1.2 | 2.70 | 0.085 | 0.160 | 0.220 | 1.20 |
| STP175 | 15 | 100 | 1.75 | 3.80 | 0.050 | 0.090 | 0.120 | 1.50 |
| STP175S | 15 | 100 | 1.75 | 3.80 | 0.050 | 0.090 | 0.120 | 1.50 |
| STP200 | 30 | 100 | 2.00 | 4.40 | 0.030 | 0.060 | 0.100 | 1.90 |
| STP350 | 30 | 100 | 3.50 | 6.30 | 0.017 | 0.031 | 0.050 | 2.50 |
| STP420 | 30 | 100 | 4.20 | 7.60 | 0.012 | 0.024 | 0.040 | 2.90 |

* Definition of electrical characteristics refer to page 6.

Typical Time to Trip Curves at 23°C :



Thermal Derating Chart

Unit:Amps

| TEMP(°C) | -40 | -20 | 0 | 23 | 40 | 50 | 60 | 70 | 85 |
|-----------|------|------|------|------|------|------|------|------|------|
| STP120(s) | 1.70 | 1.63 | 1.43 | 1.20 | 1.03 | 0.95 | 0.84 | 0.75 | 0.58 |
| STP175(s) | 2.50 | 2.35 | 2.05 | 1.75 | 1.50 | 1.35 | 1.20 | 1.10 | 0.85 |
| STP200 | 2.90 | 2.70 | 2.30 | 2.00 | 1.75 | 1.55 | 1.40 | 1.30 | 1.00 |
| STP350 | 5.00 | 4.75 | 4.10 | 3.50 | 3.05 | 2.70 | 2.40 | 2.20 | 1.70 |
| STP420 | 6.00 | 5.80 | 5.00 | 4.20 | 3.65 | 3.20 | 2.85 | 2.70 | 2.00 |