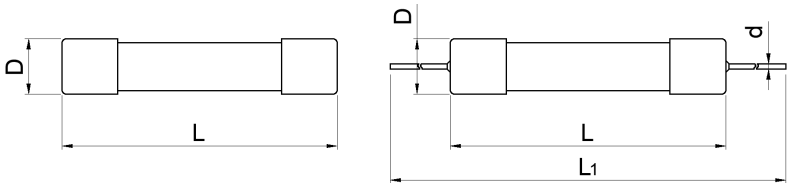
# Miniature Fuses

## Cartridge Fuse-links (CFL)

## SCF632(P) Series, Ceramic Tube

## Dimensions (mm)




| L | $L_1$[a] | D | d |
|---|---|---|---|
| 31.8 ± 1.0 | 108 ± 2 | Φ6.35 ± 0.20 | ≤16 A: Φ0.80 ± 0.05<br>>16 A ~ 30 A: Φ1.00 ± 0.05 |

Note: a - Lead length can be customized.

## Description

Φ6.35 × 31.8 mm, high breaking capacity cartridge fuse, Designed to IEC, GB/T and UL standards.

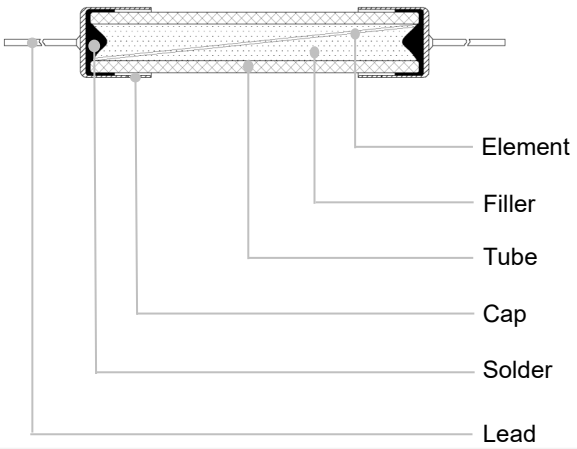
## Key Features

- Body Size: Φ6.35 × 31.8 mm
- High Breaking Capacity, Rated Voltage: Up to 600 V
- Single Cap and Body Printing
- Designed to UL 248-14 / IEC 60127-7(GB/T 9364.7)
- Lead-free (Pb-free), RoHS and REACH Compliant

## Applications

- Power Supply
- Household Appliance
- Smart Home
- Office Equipment
- Electric Tool
- Medical Equipment
- SPD
- OBC

## Structure




## Product Number System

SCF63230A500V

- Rated Voltage
- Rated Current
- Product Series
  - SCF632: Cartridge Type
  - SCF632P: Axial Lead Type

## Time/Current Characteristic

| % of Ampere Rating | Ampere Rating | Opening Time |
|---|---|---|
| 100% | 1 A ~ 30 A | 1 hours, Min. |
| 250% | 1 A ~ 30 A | 30 minutes, Max. |

## Agency Approvals

| Agency Symbol | The file No. and certification No. obtained by SETsafe\|SETfuse | Ampere Range |
|---|---|---|
| c UL us | E345932 | 1 A ~ 30 A |
| CQC | Pending | 1 A ~ 30 A |
| | J 50636679 | 1 A ~ 30 A |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## Specifications

| Series | Rated Current (A) | Rated Breaking Capacity | Average Typical Melting $I^2t$ [a] (A²sec) | Agency Approvals: CQC | Agency Approvals: TUV | Agency Approvals: cURus | Environmental: RoHS | Environmental: REACH |
|---|---|---|---|---|---|---|---|---|
| SCF632(P) | 1 | UL:<br>1500 A @ 250 VAC<br>10 kA @ 600 / 500 / 400 / 350 / 300 / 250 VAC<br>50 kA @ 600 / 500 / 400 / 350 / 300 / 250 VDC<br><br>TUV:<br>10 kA @ 600 / 500 / 450 / 400 / 350 / 300 / 250 / 125 VAC<br>50 kA @ 600 / 500 / 450 / 400 / 350 / 300 / 250 / 125 VDC | 1.1 | ○ | ● | ● | ● | ● |
| SCF632(P) | 1.25 | | 1.9 | ○ | ● | ● | ● | ● |
| SCF632(P) | 1.6 | | 2.2 | ○ | ● | ● | ● | ● |
| SCF632(P) | 2 | | 3.9 | ○ | ● | ● | ● | ● |
| SCF632(P) | 2.5 | | 4.0 | ○ | ● | ● | ● | ● |
| SCF632(P) | 3.15 | | 9.1 | ○ | ● | ● | ● | ● |
| SCF632(P) | 4 | | 16 | ○ | ● | ● | ● | ● |
| SCF632(P) | 5 | | 27 | ○ | ● | ● | ● | ● |
| SCF632(P) | 6 | | 43 | ○ | ○ | ● | ● | ● |
| SCF632(P) | 6.3 | | 46 | ○ | ● | ● | ● | ● |
| SCF632(P) | 8 | | 79 | ○ | ● | ● | ● | ● |
| SCF632(P) | 10 | | 116 | ○ | ● | ● | ● | ● |
| SCF632(P) | 12 | | 220 | ○ | ○ | ● | ● | ● |
| SCF632(P) | 12.5 | | 280 | ○ | ● | ● | ● | ● |
| SCF632(P) | 15 | UL:<br>1500 A @ 250 VAC<br>1000A @ 600 / 500 / 400 / 350 / 300 / 250 VAC<br>1000A @ 600 / 500 / 400 / 350 / 300 / 250 VDC<br><br>TUV:<br>1500 A @ 600 / 500 / 450 / 400 / 350 / 300 / 250 / 125 VAC/DC | 1000 | ○ | ● | ● | ● | ● |
| SCF632(P) | 16 | | 1300 | ○ | ● | ● | ● | ● |
| SCF632(P) | 20 | | 2700 | ○ | ● | ● | ● | ● |
| SCF632(P) | 21 | | 6000 | ○ | ○ | ● | ● | ● |
| SCF632(P) | 25 | | 5400 | ○ | ● | ● | ● | ● |
| SCF632(P) | 30 | | 10800 | ○ | ● | ● | ● | ● |

Remark:

1. a: $I^2t$ value is measured at 10 $I_N$.
2. ●: Means certificated by TUV and cURus, RoHS & REACH Compliant
3. ○: Pending


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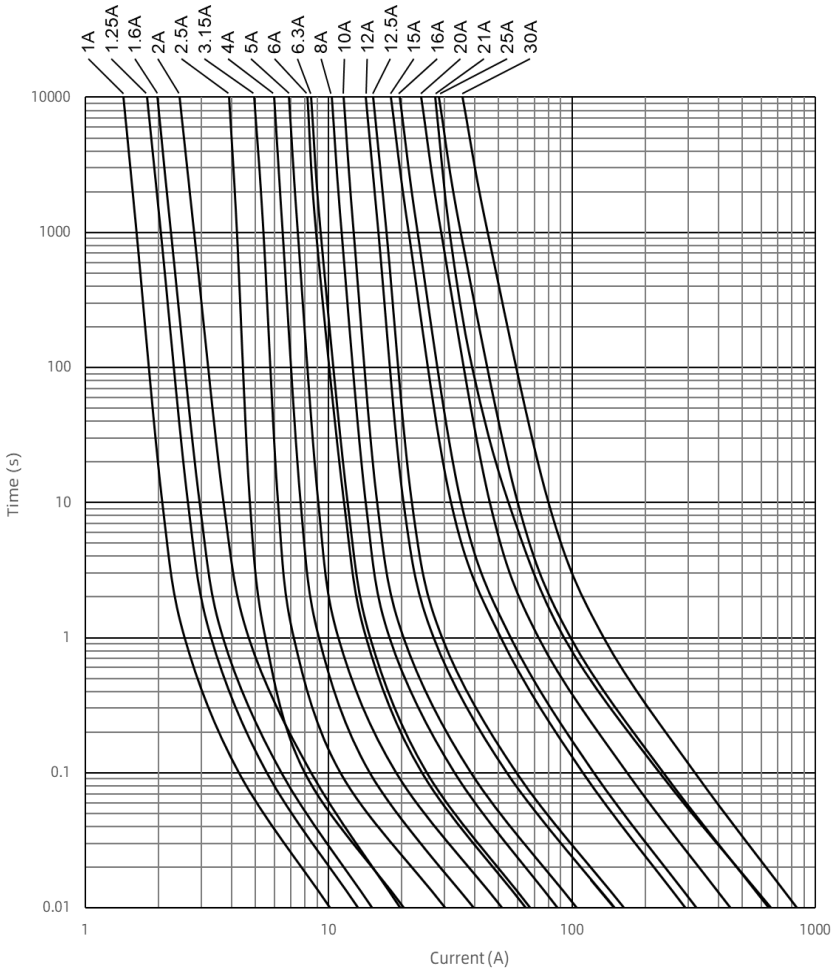
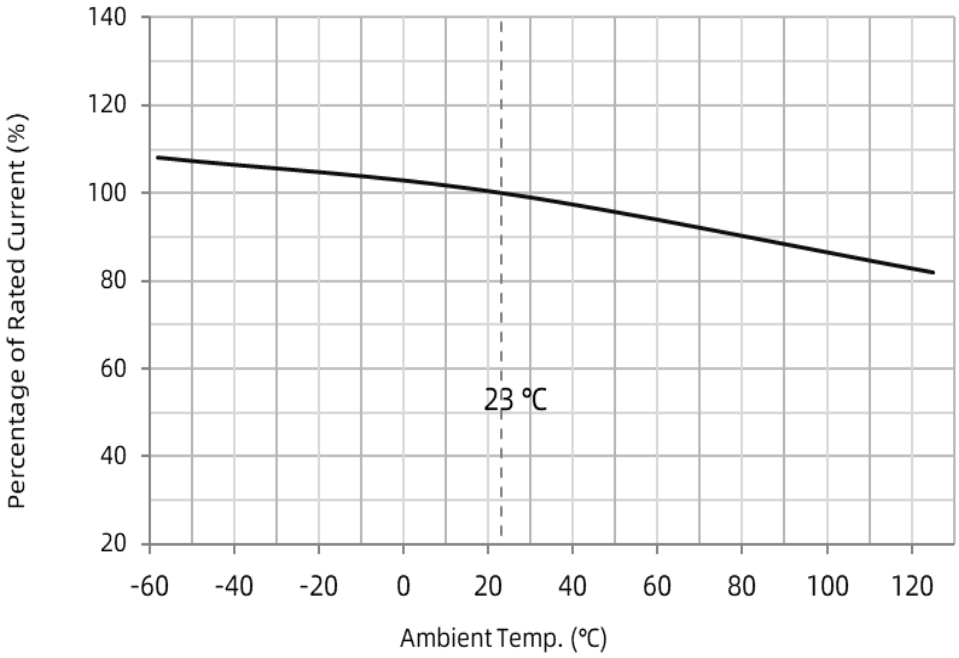
## Time Current Curve (For Reference Only)




## Rated Current Derating Curve（For Reference Only）





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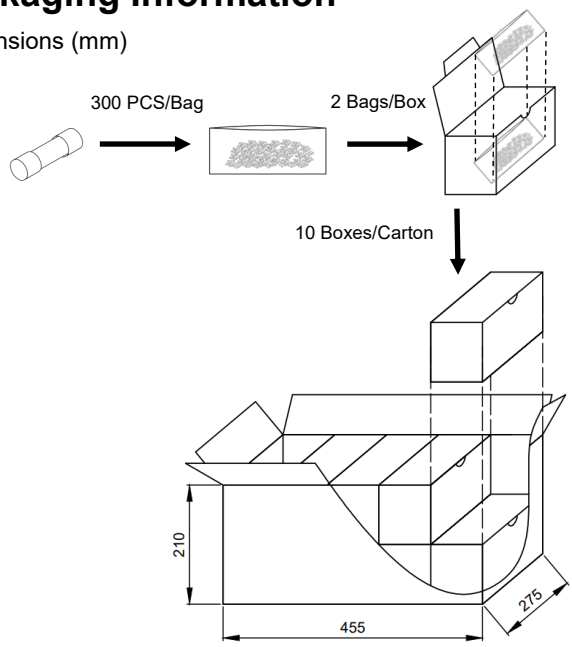
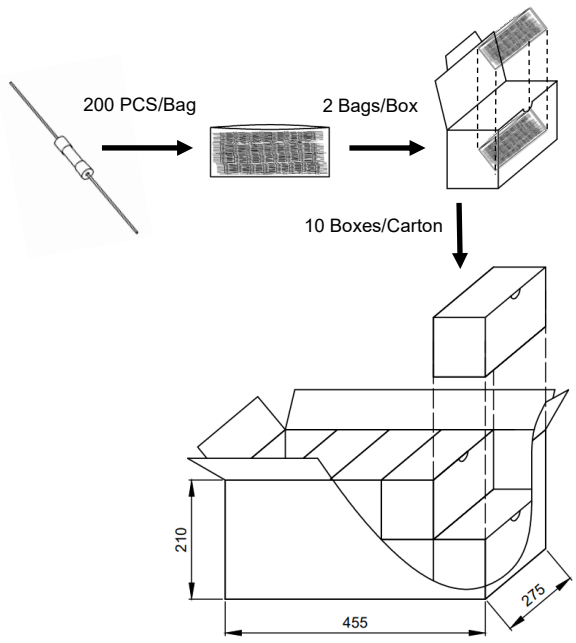
## Packaging Information

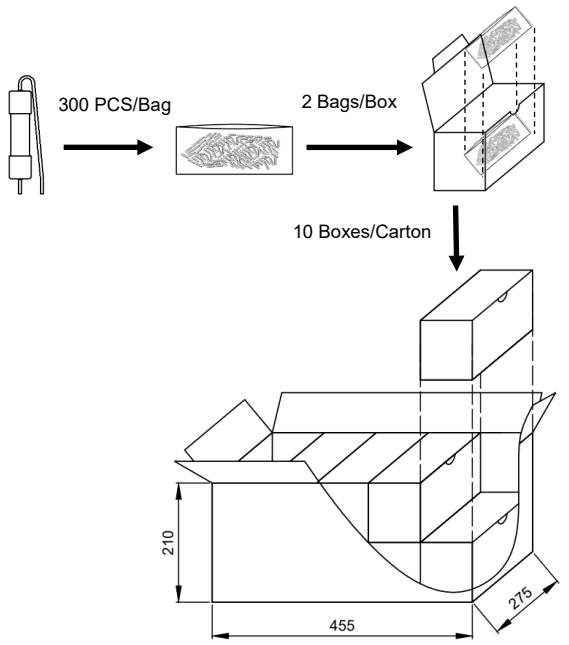
Dimensions (mm)

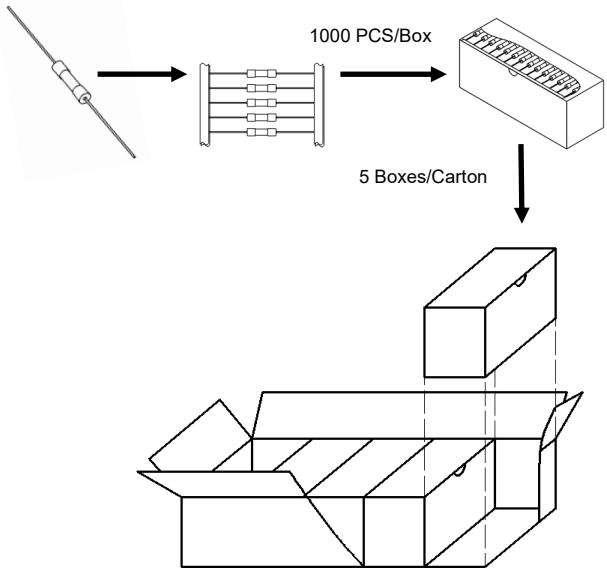



| Cartridge Type | | | |
|---|---|---|---|
| Item | PE Bag | Box | Carton |
| Q'ty (PCS) | 300 | 600 | 6,000 |
| Gross Weight (kg) | 18.5×(1±10%) | | |

| Axial Lead Type | | | |
|---|---|---|---|
| Item | PE Bag | Box | Carton |
| Q'ty (PCS) | 200 | 400 | 4,000 |
| Gross Weight (kg) | 13.5×(1±10%) | | |




| Bending Molding Type (Vertical or Horizontal) | | | |
|---|---|---|---|
| Item | PE Bag | Box | Carton |
| Q'ty (PCS) | 300 | 600 | 6,000 |
| Gross Weight (kg) | 19×(1±10%) | | |

| Taping Type | | |
|---|---|---|
| Item | Box | Carton |
| Q'ty (PCS) | 1,000 | 5,000 |
| Gross Weight (kg) | 16×(1±10%) | |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## Inspection

**Cold Resistance Test**

a. Applied current shall be less than 10% of rated current, at ambient Temp. of (23±2) °C.

b. 4-Wire Resistance Measurement.

## Usage

a. Do not touch the fuse body or lead wire when power on, avoiding scald or electric shock.

b. The air pressure is 80 kPa to 106 kPa, corresponding to the altitude of +2000 m to -500 m.

## Replacement

For safety reasons, the Fuse is a non-resettable product, please ensure that the alternative Fuse is the same type when replace it.

## Storage

Fuse storage should avoid high temperature, high humidity, direct sunlight, and corrosive gases, so as not to affect the solderability of the lead wire. Please use them up within 1 year after receiving the goods.

## Installation

Do not apply mechanical stress to the fuse body during or after the installation.

## Installation Position

Do not install the fuse on an assembly that may often subject to severe continuous vibration or with corrosive gases ($NH_3$, $SO_2$, $Cl_2$ etc.).


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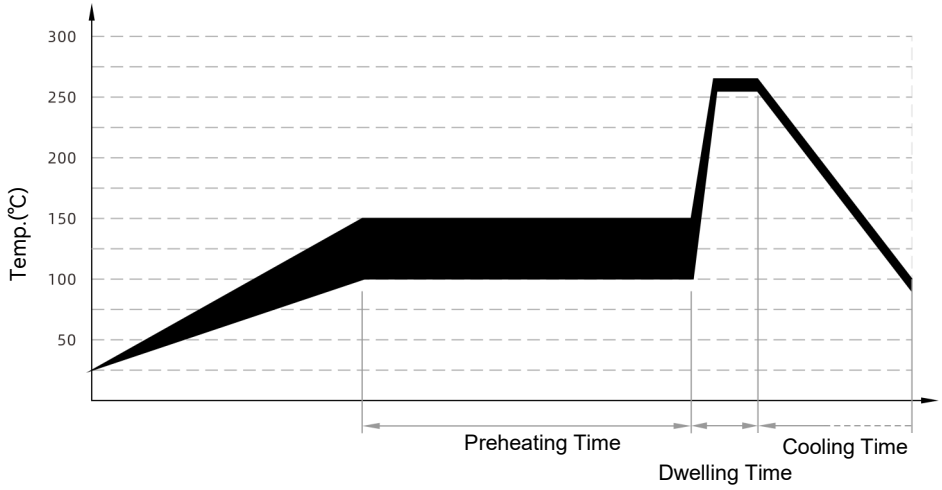
## Soldering Parameters

**Wave soldering Parameters (For Reference Only)**




| Item | Temp. （°C） | Time （second） |
|---|---|---|
| Preheating | 100 ~ 150 | 60 ~ 180 |
| Dwelling | 255 ~ 265 | 4 ~ 8 |

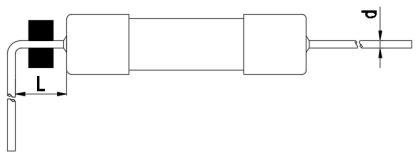
**Recommended Soldering Parameters**

Solder Iron Temp.: (350 ± 5) °C

Soldering Time: 5 seconds, Max.

## Lead Wire Bending

If the lead wire has to be bent, please pay attention to the distance between body and the bending point. Refer to the following table.

| Axial Type | | | |
|---|---|---|---|
| d | ≤ Φ 1.0 mm | > Φ 1.0 mm |  |
| L | ≥ 3 mm | ≥ 5 mm | |

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# Glossary

| Item | Description |
|---|---|
| **Fuse** | A device, by the fusing of one or more of its specially designed and proportioned components, opens the circuit in which it is inserted by breaking the current when this exceeds a given value for a sufficient time.<br>—(IEC 60127) |
| **Rated Current** | The rated current of a fuse identifies its current-carrying capacity based on a controllable set of test conditions. Each fuse is marked with its rated current, this rating can be identified with a numeric, alpha, or color code mark.<br>—(IEC 60127) |
| **Rated Voltage** | A Max. open circuit voltage in which a fuse can be used, yet safely interrupt an overcurrent. Exceeding the voltage rating of a fuse impairs its ability to clear an overload or short circuit safely.<br>—(IEC 60127) |
| **Ampere Squared Seconds $I^2t$** | The melting, arcing, or clearing integral of a fuse, termed $I^2t$, is the thermal energy required to melt, arc, or clear a specific current. It can be expressed as melting $I^2t$, arcing $I^2t$ or the sum of them, clearing $I^2t$.<br>—(IEC 60127) |
| **Overload** | Can be classified as an overcurrent which exceeds the normal full load current of a circuit by 2 to 5 times its magnitude and stays within the normal current path.<br>—(UL 248) |
| **Overcurrent** | A condition which exists in an electrical circuit when the normal load current is exceeded. Overcurrent take on two separate characteristics-overloads and short circuits.<br>—(UL 248) |
| **Short Circuit** | An overcurrent that leaves the normal current path and greatly exceeds the normal full load current of the circuit by a factor of tens, hundreds, or thousands times.<br>—(UL 248) |
| **Breaking Capacity of a Fuse-link** | Value (r.m.s. for AC) of prospective current that a fuse-link is capable of breaking at a stated voltage under prescribed conditions of use and behaviour.<br>—(IEC 60127) |


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## Reliability Test

| No. | Items | Inspection Standards | Standards |
|---|---|---|---|
| 1 | High Temp. Test | Test Condition:<br>Temperature: (105 ± 2) °C<br>Time: 1000 hours<br><br>Test Requirement:<br>After the test, the voltage drop shall not have changed by more than 10% of the value measured before the test.<br>The clearing time of the fuse shall be in range. | MIL-STD-202(Test Method 108)<br>GJB360B(Test Method 108) |
| 2 | High Humidity Test | Test Condition:<br>Temperature: (40 ± 2) °C<br>Humidity: 90% to 95%<br>Time: 96 hours<br><br>Test Requirement:<br>After the test, the voltage drop shall not have changed by more than 10 % of the value measured before the test.<br>The clearing time of the fuse shall be in range. | MIL-STD-202(Test Method 103)<br>GJB360B(Test Method 103) |
| 3 | Thermal Shock Test | Test Condition:<br>Per Cycle:<br>-55 °C / 30 minutes, 125 °C / 30 minutes<br>Time: 100 Cycles<br><br>Test Requirement:<br>After the test, the voltage drop shall not have changed by more than 10 % of the value measured before the test.<br>The clearing time of the fuse shall be in range. | MIL-STD-202(Test Method 107)<br>GJB360B(Test Method 107) |


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## Cartridge Fuse-links ( CFL ) Features & Model List Overview

| 额定电流 Rated Current $I_n$ ( A ) | | | | |
|---|---|---|---|---|
| 50.00 | ○ | ○ | ○ | ○ |
| 40.00 | ○ | ○ | ○ | ○ |
| 30.00 | SCF632A30A | SCF632AP30A | SCF63230A | SCF632P30A |
| 25.00 | SCF632A25A | SCF632AP25A | SCF63225A | SCF632P25A |
| 21.00 | ○ | ○ | SCF63221A | SCF632P21A |
| 20.00 | SCF632A20A | SCF632AP20A | SCF63220A | SCF632P20A |
| 16.00 | SCF632A16A | SCF632AP16A | SCF63216A | SCF632P16A |
| 15.00 | SCF632A15A | SCF632AP15A | SCF63215A | SCF632P15A |
| 13.00 | ○ | ○ | ○ | ○ |
| 12.50 | ○ | ○ | SCF63212.5A | SCF632P12.5A |
| 12.00 | ○ | ○ | SCF63212A | SCF632P12A |
| 10.00 | ○ | ○ | SCF63210A | SCF632P10A |
| 8.00 | ○ | ○ | SCF6328A | SCF632P8A |
| 7.00 | ○ | ○ | ○ | ○ |
| 6.30 | ○ | ○ | SCF6326.3A | SCF632P6.3A |
| 6.00 | ○ | ○ | SCF6326A | SCF632P6A |
| 5.00 | ○ | ○ | SCF6325A | SCF632P5A |
| 4.00 | ○ | ○ | SCF6324A | SCF632P4A |
| 3.15 | ○ | ○ | SCF6323.15A | SCF632P3.15A |
| 3.00 | ○ | ○ | ○ | ○ |
| 2.50 | ○ | ○ | SCF6322.5A | SCF632P2.5A |
| 2.00 | ○ | ○ | SCF6322A | SCF632P2A |
| 1.60 | ○ | ○ | SCF6321.6A | SCF632P1.6A |
| 1.25 | ○ | ○ | SCF6321.25A | SCF632P1.25A |
| 1.00 | ○ | ○ | SCF6321A | SCF632P1A |
| 0.80 | ○ | ○ | ○ | ○ |
| 0.63 | ○ | ○ | ○ | ○ |
| 0.50 | ○ | ○ | ○ | ○ |
| 0.40 | ○ | ○ | ○ | ○ |
| 0.315 | ○ | ○ | ○ | ○ |
| 0.25 | ○ | ○ | ○ | ○ |
| 0.20 | ○ | ○ | ○ | ○ |
| 0.16 | ○ | ○ | ○ | ○ |
| 0.125 | ○ | ○ | ○ | ○ |
| 0.10 | ○ | ○ | ○ | ○ |
| **Model** | Remark: Please refer to each product series specification page for complete models | | | |

| | | |
|---|---|---|
| $U_r$ Rated Voltage (VAC) (VDC) | (250 ~ 500) VAC<br>(250 ~ 600) VDC | (250 ~ 600) VAC<br>(250 ~ 600) VDC |
| Time Feature | / | / |
| Tube Material | Ceramic | |
| Standards | IEC / UL | |
| Breaking Capacity | 10 kA ~ 30 kA | 1000 A ~ 50 kA |
| Physical Size ( mm ) | Φ6.35 × 31.8 | |
| Product Structure | | |


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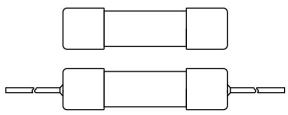
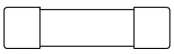
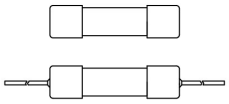
## Cartridge Fuse-links ( CFL ) Features & Model List Overview

| Rated Current $I_n$ ( A ) | Model | | | | |
|---|---|---|---|---|---|
| 50.00 | SCF625F50A | SCF625PF50A | ○ | ○ | ○ |
| 40.00 | SCF625F40A | SCF625PF40A | ○ | ○ | ○ |
| 30.00 | SCF625F30A | SCF625PF30A | ○ | ○ | ○ |
| 25.00 | SCF625F25A | SCF625PF25A | ○ | ○ | ○ |
| 21.00 | ○ | ○ | ○ | ○ | ○ |
| 20.00 | SCF625F20A | SCF625PF20A | ○ | SGF520-20A (-L) | SGT520-20A (-L) |
| 16.00 | SCF625F16A | SCF625PF16A | ○ | SGF520-16A (-L) | SGT520-16A (-L) |
| 15.00 | SCF625F15A | SCF625PF15A | ○ | SGF520-15A (-L) | SGT520-15A (-L) |
| 13.00 | ○ | ○ | SC625FM13A | ○ | ○ |
| 12.50 | SCF625F12.5A | SCF625PF12.5A | ○ | SGF520-12.5A (-L) | SGT520-12.5A (-L) |
| 12.00 | SCF625F12A | SCF625PF12A | ○ | SGF520-12A (-L) | SGT520-12A (-L) |
| 10.00 | SCF625F10A | SCF625PF10A | SC625FM10A | SGF520-10A (-L) | SGT520-10A (-L) |
| 8.00 | SCF625F8A | SCF625PF8A | ○ | SGF520-8A (-L) | SGT520-8A (-L) |
| 7.00 | ○ | ○ | SC625FM7A | ○ | ○ |
| 6.30 | SCF625F6.3A | SCF625PF6.3A | ○ | SGF520-6.3A (-L) | SGT520-6.3A (-L) |
| 6.00 | SCF625F6A | SCF632PF6A | ○ | ○ | ○ |
| 5.00 | SCF625F5A | SCF625PF5A | SC625FM5A | SGF520-5A (-L) | SGT520-5A (-L) |
| 4.00 | ○ | ○ | ○ | SGF520-4A (-L) | SGT520-4A (-L) |
| 3.15 | ○ | ○ | ○ | SGF520-3.15A (-L) | SGT520-3.15A (-L) |
| 3.00 | ○ | ○ | SC625FM3A | ○ | ○ |
| 2.50 | ○ | ○ | ○ | SGF520-2.5A (-L) | SGT520-2.5A (-L) |
| 2.00 | ○ | ○ | ○ | SGF520-2A (-L) | SGT520-2A (-L) |
| 1.60 | ○ | ○ | ○ | SGF520-1.6A (-L) | SGT520-1.6A (-L) |
| 1.25 | ○ | ○ | ○ | SGF5201.25A (-L) | SGT520-1.25A (-L) |
| 1.00 | ○ | ○ | ○ | SGF520-1A (-L) | SGT520-1A (-L) |
| 0.80 | ○ | ○ | ○ | SGF520-800mA (-L) | SGT520-800mA (-L) |
| 0.63 | ○ | ○ | ○ | SGF520-630mA (-L) | SGT520-630mA (-L) |
| 0.50 | ○ | ○ | ○ | SGF520-500mA (-L) | SGT520-500mA (-L) |
| 0.40 | ○ | ○ | ○ | ○ | ○ |
| 0.315 | ○ | ○ | ○ | ○ | ○ |
| 0.25 | ○ | ○ | ○ | ○ | ○ |
| 0.20 | ○ | ○ | ○ | ○ | ○ |
| 0.16 | ○ | ○ | ○ | ○ | ○ |
| 0.125 | ○ | ○ | ○ | ○ | ○ |
| 0.10 | ○ | ○ | ○ | ○ | ○ |

Remark: Please refer to each product series specification page for complete models

| | | | | |
|---|---|---|---|---|
| $U_r$ Rated Voltage (VAC) (VDC) | 250 VAC (75 ~ 400) VDC | 264 VAC | 250 VAC | |
| Time Feature | Fast Acting | Medium-Acting | Fast Acting | Time-Lag |
| Tube Material | Ceramic | Ceramic | Glass | |
| Standards | UL | IEC / BS | IEC / UL | |
| Breaking Capacity | 300 A ~ 10 kA | 6 kA | 35 A ~ 200 A | |
| Physical Size ( mm ) | Φ6.35 × 25.4 | Φ6.35 × 25.4 | Φ5 × 20 | |
| Product Structure |  |  |  | |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## Cartridge Fuse-links ( CFL ) Features & Model List Overview

| Rated Current $I_n$ ( A ) | Model | | | |
|---|---|---|---|---|
| 50.00 | ○ | ○ | ○ | ○ |
| 40.00 | ○ | ○ | ○ | ○ |
| 30.00 | ○ | ○ | SCT520T30A | SCT520PT30A |
| 25.00 | SCF520F25A | SCF520PF25A | SCT520T25A | SCT520PT25A |
| 21.00 | ○ | ○ | ○ | ○ |
| 20.00 | SCF520F20A | SCF520PF20A | SCT520T20A | SCT520PT20A |
| 16.00 | SCF520F16A | SCF520PF16A | SCT520T16A | SCT520PT16A |
| 15.00 | SCF520F15A | SCF520PF15A | SCT520T15A | SCT520PT15A |
| 13.00 | ○ | ○ | ○ | ○ |
| 12.50 | SCF520F12.5A | SCF520PF12.5A | SCT520T12.5A | SCT520PT12.5A |
| 12.00 | SCF520F12A | SCF520PF12A | SCT520T12A | SCT520PT12A |
| 10.00 | SCF520F10A | SCF520PF10A | SCT520T10A | SCT520PT10A |
| 8.00 | SCF520F8A | SCF520PF8A | SCT520T8A | SCT520PT8A |
| 7.00 | ○ | ○ | ○ | ○ |
| 6.30 | SCF520F6.3A | SCF520PF6.3A | SCT520T6.3A | SCT520PT6.3A |
| 6.00 | ○ | ○ | ○ | ○ |
| 5.00 | SCF520F5A | SCF520PF5A | SCT520T5A | SCT520PT5A |
| 4.00 | SCF520F4A | SCF520PF4A | SCT520T4A | SCT520PT4A |
| 3.15 | SCF520F3.15A | SCF520PF3.15A | SCT520T3.15A | SCT520PT3.15A |
| 3.00 | SCF520F3A | SCF520PF3A | SCT520T3A | SCT520PT3A |
| 2.50 | SCF520F2.5A | SCF520PF2.5A | SCT520T2.5A | SCT520PT2.5A |
| 2.00 | SCF520F2A | SCF520PF2A | SCT520T2A | SCT520PT2A |
| 1.60 | SCF520F1.6A | SCF520PF1.6A | SCT520T1.6A | SCT520PT1.6A |
| 1.25 | SCF520F1.25A | SCF520PF1.25A | SCT520T1.25A | SCT520PT1.25A |
| 1.00 | SCF520F1A | SCF520PF1A | SCT520T1A | SCT520PT1A |
| 0.80 | SCF520F800mA | SCF520PF800mA | SCT520T800mA | SCT520PT800mA |
| 0.63 | SCF520F630mA | SCF520PF630mA | SCT520T630mA | SCT520PT630mA |
| 0.50 | SCF520F500mA | SCF520PF500mA | SCT520T500mA | SCT520PT500mA |
| 0.40 | SCF520F400mA | SCF520PF400mA | SCT520T400mA | SCT520PT400mA |
| 0.315 | ○ | ○ | ○ | ○ |
| 0.25 | ○ | ○ | ○ | ○ |
| 0.20 | ○ | ○ | ○ | ○ |
| 0.16 | ○ | ○ | ○ | ○ |
| 0.125 | ○ | ○ | ○ | ○ |
| 0.10 | ○ | ○ | ○ | ○ |

Remark: Please refer to each product series specification page for complete models

| | | |
|---|---|---|
| $U_r$ Rated Voltage | (VAC)<br>(VDC) | (125 ~ 600) VAC<br>(125 ~ 600) VDC | (125 ~ 500) VAC<br>(125 ~ 500) VDC |
| Time Feature | Fast Acting | Time-Lag |
| Tube Material | Ceramic | |
| Standards | IEC / UL | |
| Breaking Capacity | 200 A ~ 5 kA | 200 A ~ 10 kA |
| Physical Size ( mm ) | Φ5 × 20 | |
| Product Structure | | |


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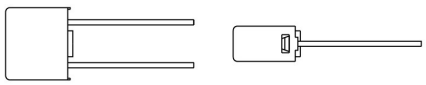
## Sub-miniature Fuse-links ( SFL ) Feature & Model List Overview

| Rated Current $I_n$ ( A ) | | |
|---|---|---|
| 50.00 | ○ | ○ |
| 40.00 | ○ | ○ |
| 30.00 | ○ | ○ |
| 25.00 | ○ | ○ |
| 21.00 | ○ | ○ |
| 20.00 | ○ | SPT478T20A |
| 16.00 | ○ | SPT478T16A |
| 15.00 | ○ | SPT478T15A |
| 13.00 | ○ | ○ |
| 12.50 | ○ | SPT478T12.5A |
| 12.00 | ○ | ○ |
| 10.00 | SPF478F10A | SPT478T10A |
| 8.00 | SPF478F8A | SPT478T8A |
| 7.00 | ○ | ○ |
| 6.30 | SPF478F6.3A | SPT478T6.3A |
| 6.00 | ○ | ○ |
| 5.00 | SPF478F5A | SPT478T5A |
| 4.00 | SPF478F4A | SPT478T4A |
| 3.15 | SPF478F3.15A | SPT478T3.15A |
| 3.00 | ○ | ○ |
| 2.50 | SPF478F2.5A | SPT478T2.5A |
| 2.00 | SPF478F2A | SPT478T2A |
| 1.60 | SPF478F1.6A | SPT478T1.6A |
| 1.25 | SPF478F1.25A | SPT478T1.25A |
| 1.00 | SPF478F1A | SPT478T1A |
| 0.80 | ○ | SPT478T800mA |
| 0.63 | ○ | SPT478T630mA |
| 0.50 | ○ | SPT478T500mA |
| 0.40 | ○ | SPT478T400mA |
| 0.315 | ○ | SPT478T315mA |
| 0.25 | ○ | SPT478T250mA |
| 0.20 | ○ | SPT478T200mA |
| 0.16 | ○ | SPT478T160mA |
| 0.125 | ○ | SPT478T125mA |
| 0.10 | ○ | SPT478T100mA |
| $U_r$ Rated Voltage (VAC) (VDC) | (125 ~ 400) VAC | |
| Time Feature | Fast Acting | Time-Lag |
| Tube Material | Plastic Case | |
| Standards | IEC / UL | |
| Breaking Capacity | 35 A ~ 200 A | |
| Physical Size ( mm ) | 4 × 7 × 8 | |
| Product Structure |  | |

Model

Remark: Please refer to each product series specification page for complete models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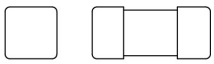
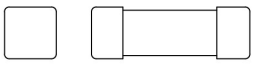
## Surface Mount Fuse-lingks ( SMFL ) Feature & Model List Overview

| Rated Current $I_n$ ( A ) \ Model | | | | |
|---|---|---|---|---|
| 50.00 | ○ | ○ | ○ | ○ |
| 40.00 | ○ | ○ | SCF1032F40A | ○ |
| 30.00 | ○ | ○ | SCF1032F30A | ○ |
| 25.00 | ○ | ○ | SCF1032F25A | ○ |
| 21.00 | ○ | ○ | ○ | ○ |
| 20.00 | SCF6125F20A | ○ | SCF1032F20A | ○ |
| 16.00 | SCF6125F16A | ○ | SCF1032F16A | ○ |
| 15.00 | SCF6125F15A | ○ | SCF1032F15A | SCT1032T15A |
| 13.00 | ○ | ○ | ○ | ○ |
| 12.50 | SCF6125F12.5A | SCT6125T12.5A | SCF1032F12.5A | SCT1032T12.5A |
| 12.00 | SCF6125F12A | SCT6125T12A | SCF1032F12A | SCT1032T12A |
| 10.00 | SCF6125F10A | SCT6125T10A | SCF1032F10A | SCT1032T10A |
| 8.00 | SCF6125F8A | SCT6125T8A | SCF1032F8A | SCT1032T8A |
| 7.00 | ○ | ○ | ○ | ○ |
| 6.30 | SCF6125F6.3A | SCT6125T6.3A | SCF1032F6.3A | SCT1032T6.3A |
| 6.00 | ○ | ○ | ○ | ○ |
| 5.00 | SCF6125F5A | SCT6125T5A | SCF1032F5A | SCT1032T5A |
| 4.00 | SCF6125F4A | SCT6125T4A | SCF1032F4A | SCT1032T4A |
| 3.15 | SCF6125F3.15A | SCT6125T3.15A | SCF1032F3.15A | SCT1032T3.15A |
| 3.00 | SCF6125F3A | SCT6125T3A | SCF1032F3A | SCT1032T3A |
| 2.50 | SCF6125F2.5A | SCT6125T2.5A | SCF1032F2.5A | SCT1032T2.5A |
| 2.00 | SCF6125F2A | SCT6125T2A | SCF1032F2A | SCT1032T2A |
| 1.60 | SCF6125F1.6A | SCT6125T1.6A | SCF1032F1.6A | SCT1032T1.6A |
| 1.25 | ○ | SCT6125T1.25A | SCF1032F1.25A | SCT1032T1.25A |
| 1.00 | ○ | SCT6125T1A | SCF1032F1A | SCT1032T1A |
| 0.80 | ○ | SCT6125T800mA | ○ | SCT1032T800mA |
| 0.63 | ○ | SCT6125T630mA | ○ | SCT1032T630mA |
| 0.50 | ○ | SCT6125T500mA | ○ | SCT1032T500mA |
| 0.40 | ○ | SCT6125T400mA | ○ | SCT1032T400mA |
| 0.315 | ○ | SCT6125T315mA | ○ | SCT1032T315mA |
| 0.25 | ○ | SCT6125T250mA | ○ | SCT1032T250mA |
| 0.20 | ○ | SCT6125T200mA | ○ | SCT1032T200mA |
| 0.16 | ○ | ○ | ○ | SCT1032T160mA |
| 0.125 | ○ | ○ | ○ | SCT1032T125mA |
| 0.10 | ○ | ○ | ○ | SCT1032T100mA |
| $U_r$ Rated Voltage (VAC) (VDC) | (125 ~ 350) VAC (24 ~ 125) VDC | | (125 ~ 350) VAC (32 ~ 250) VDC | |
| Time Feature | Fast Acting | Time-Lag | Fast Acting | Time-Lag |
| Tube Material | Ceramic | | | |
| Standards | IEC / UL | | | |
| Breaking Capacity | 50 A ~ 500 A | | 100 A ~ 1000 A | |
| Physical Size ( mm ) | 2.7 × 2.7 × 6.3 | | 3.2 × 3.2 × 10.3 | |
| Product Structure |  | |  | |

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