

Heavy Duty Fuse Clip, 10.3 x 38 / 10.3 x 85 mm, 1500 VAC/VDC, 32 A

new



Heavy duty fuse clip
Solder THT terminal



Heavy duty fuse clip
Screw or rivet terminal

1500 V · 32A

See below:
Approvals and Compliances

Description

- Solder/screw/rivet mounting
- For photovoltaic and other DC applications
- Suitable gPV fuse link ASO 10.3x38

Unique Selling Proposition

- Special copper alloy material for high efficiency
- Very low contact resistance
- Minimal power dissipation due to strong clamping force
- Ideal for use in high power applications like EV-charging

Applications

- Photovoltaic applications
- Inverters
- Battery charge controllers
- String fuse holder
- DC applications
- E-Mobility charging stations

References

Fuseholder to [ASO 10.3x38](#)

Weblinks

[pdf data sheet](#), [html datasheet](#), [General Product Information](#), [Distributor-Stock-Check](#), [Accessories](#), [Detailed request for product](#), [Microsite](#)

Technical Data

| | |
|--------------------------|--|
| Fuse-Link | 10.3 x 38 / 10.3 x 85 mm |
| Mounting | PCB |
| Terminal | Solder THT / screw / rivet |
| Rated Voltage | 1500V |
| Rated current | 32A |
| Admissible Ambient Temp. | -40 °C to 155 °C ¹⁾ |
| Climatic Category | 40/155/21 acc. to IEC 60068-1 ¹⁾ |
| Material | Copper alloy, silver-plated / tin-plated ¹⁾ |
| Storage Conditions | 0 °C to 60 °C, max. 70% r.h. |
| Product Marking |  , Type |

| | |
|------------------------------|--|
| Soldering Methods | Wave Soldering Profile |
| Solderability | 245 °C / 3 sec acc. to IEC 60068-2-20, Test Ta, method 1 |
| Resistance to Soldering Heat | 260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1 |
| Contact Resistance | ≤ 1 mΩ at 100 mA |
| Resistance to Vibration | acc. to IEC 60068-2-6, test Fc |

¹⁾ Details see table of variants

Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [Details about Approvals](#)

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type: CSO

| Approval Logo | Certificates | Certification Body | Description |
|---|------------------------------|--------------------|------------------------|
|  | UL Approvals | UL | UR File Number: E39328 |

Product standards

Product standards that are referenced

| Organization | Design | Standard | Description |
|--|-----------------------|----------------------|------------------------------|
|  | Designed according to | UL 4248-1 | Industrial Control Equipment |
|  | Designed according to | CSA C22.2 no. 4248.1 | Industrial Control Equipment |

Application standards

Application standards where the product can be used

| Organization | Design | Standard | Description |
|--|--------------------------------|----------------|---|
|  | Suitable for applications acc. | IEC/UL 62368-1 | Audio/video, information and communication technology equipment - Part 1: Safety requirements |

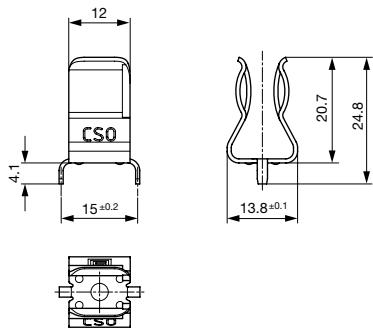
Compliances

The product complies with following Guide Lines

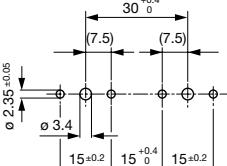
| Identification | Details | Initiator | Description |
|--|--------------------------------|-------------|---|
|  | CE declaration of conformity | SCHURTER AG | The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008. |
|  | UKCA declaration of conformity | SCHURTER AG | The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008. |
|  | RoHS | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863 |
|  | China RoHS | SCHURTER AG | The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS. |
|  | REACH | SCHURTER AG | On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force. |

Dimension [mm]

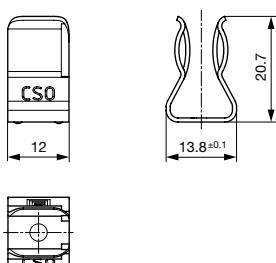
12 mm



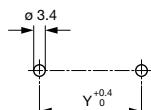
Solder, THT



Drilling diagram



Screw or rivet version M3

For fuse type 10.3 mm x 38 mm: Y= 30 mm
For fuse type 10.3 mm x 85 mm: Y= 77 mm

Drilling diagram

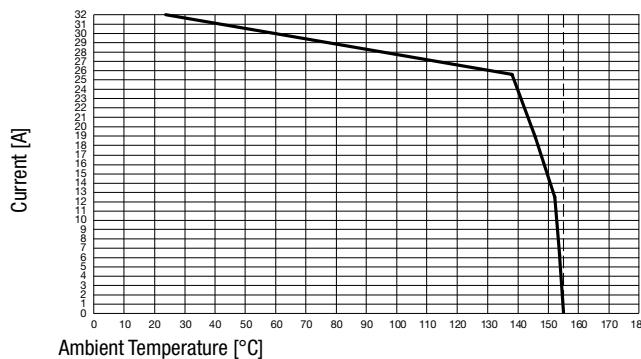


Screw or rivet version M5

For fuse type 10.3 mm x 38 mm: $Y = 30$ mm
 For fuse type 10.3 mm x 85 mm: $Y = 77$ mm

Drilling diagram

Derating Curves



Variants

| Weight | Terminal | Packaging | Admissible Ambient Temp. | Climatic Category | Coating | Order Number |
|--------|------------------|-------------------------------------|--------------------------|-------------------|---------------|--------------|
| 4.4 g | Screw / Rivet M5 | Bulk 128 x 91 x 60 mm (100 pcs.) | -40 °C - 125 °C | 40/125/21 | Tin-plated | 3-111-506 |
| 4.4 g | Screw / Rivet M5 | Bulk 251 x 159 x 152 mm (1000 pcs.) | -40 °C - 125 °C | 40/125/21 | Tin-plated | 3-111-507 |
| 4.4 g | Screw / Rivet M5 | Bulk 128 x 91 x 60 mm (100 pcs.) | -40 °C - 155 °C | 40/155/21 | silver-plated | 3-124-244 |
| 4.4 g | Screw / Rivet M5 | Bulk 251 x 159 x 152 mm (1000 pcs.) | -40 °C - 155 °C | 40/155/21 | silver-plated | 3-124-245 |
| 4.45 g | Screw / Rivet M3 | Bulk 128 x 91 x 60 mm (100 pcs.) | -40 °C - 155 °C | 40/155/21 | silver-plated | 0751.0500 |
| 4.45 g | Screw / Rivet M3 | Bulk 251 x 159 x 152 mm (1000 pcs.) | -40 °C - 155 °C | 40/155/21 | silver-plated | 0751.0501 |
| 4.45 g | Screw / Rivet M3 | Bulk 128 x 91 x 60 mm (100 pcs.) | -40 °C - 125 °C | 40/125/21 | Tin-plated | 0751.0502 |
| 4.45 g | Screw / Rivet M3 | Bulk 251 x 159 x 152 mm (1000 pcs.) | -40 °C - 125 °C | 40/125/21 | Tin-plated | 0751.0503 |
| 4.6 g | Solder / THT | Bulk 128 x 91 x 60 mm (100 pcs.) | -40 °C - 155 °C | 40/155/21 | silver-plated | 0751.0505 |
| 4.6 g | Solder / THT | Bulk 251 x 159 x 152 mm (1000 pcs.) | -40 °C - 155 °C | 40/155/21 | silver-plated | 0751.0506 |
| 4.6 g | Solder / THT | Bulk 128 x 91 x 60 mm (100 pcs.) | -40 °C - 125 °C | 40/125/21 | Tin-plated | 0751.0507 |
| 4.6 g | Solder / THT | Bulk 251 x 159 x 152 mm (1000 pcs.) | -40 °C - 125 °C | 40/125/21 | Tin-plated | 0751.0508 |

Availability for all products can be searched real-time: <https://www.schurter.com/en/info-center/support-tools/stock-check-distributors>

Accessories

Description



ESO_10.3x38

Fuse Inserter/Extractor with Cover Function for 10.3x38 mm Fuses in Clips

10.3 x 38 mm, IP20

0853.1250

10.3 x 38 mm, IP20

0853.1251