

FLT-SEC-P-T1-N/PE-350/100-FM - Type 1+2 combined lightning current and surge arrester



2905472

<https://www.phoenixcontact.com/us/products/2905472>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Plug-in lightning arrester free of leakage current, in accordance with Type 1/Class I, for use in power supply networks between N and PE.

Your advantages

- Surge protection family for universal use with optimum energy coordination from the lightning current arrester to the device protection
- Easy to maintain due to consistently pluggable protection modules
- Excellent level of information provided by mechanical/visual status indicator and remote indication contact
- Optimum protective effect in the event of high-energy lightning currents, thanks to spark gap technology with low residual voltage characteristic
- Low voltage protection level for direct protection of end devices in the main distribution area

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2905472 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | CL01 |
| Product key | CL1171 |
| GTIN | 4046356950701 |
| Weight per piece (including packing) | 370 g |
| Weight per piece (excluding packing) | 369.7 g |
| Customs tariff number | 85363030 |
| Country of origin | TR |

FLT-SEC-P-T1-N/PE-350/100-FM - Type 1+2 combined lightning current and surge arrester



2905472

<https://www.phoenixcontact.com/us/products/2905472>

Technical data

Product properties

| | |
|--------------------------------|---|
| Product type | Combination type |
| Product family | SEC Family |
| IEC test classification | I / II |
| | I |
| | T1 / T2 |
| | T1 |
| EN type | T1 / T2 |
| | T1 |
| IEC power supply system | TN-S |
| | TT |
| Type | DIN rail module, two-section, divisible |
| Number of positions | 1 |
| Surge protection fault message | Optical, remote indicator contact |
| Number of ports | One |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Pollution degree | 2 |

Electrical properties

| | |
|-------------------------|---------------|
| Nominal frequency f_N | 50 Hz (60 Hz) |
|-------------------------|---------------|

Indicator/remote signaling

| | |
|--------------------|--------------------------------|
| Connection name | Remote fault indicator contact |
| Switching function | Changeover contact |
| Operating voltage | 12 V AC ... 250 V AC |
| | 125 V DC (200 mA DC) |
| Operating current | 10 mA AC ... 1 A AC |
| | 1 A DC (30 V DC) |

Connection data

| | |
|----------------------------------|--|
| Connection method | Screw connection |
| Screw thread | M5 |
| Tightening torque | 4.5 Nm |
| Stripping length | 18 mm |
| Conductor cross-section flexible | 2.5 mm ² ... 35 mm ² |
| Conductor cross-section rigid | 2.5 mm ² ... 35 mm ² |
| Conductor cross-section AWG | 13 ... 2 |
| Connection method | Fork-type cable lug |
| Conductor cross-section flexible | 1.5 mm ² ... 16 mm ² |

FLT-SEC-P-T1-N/PE-350/100-FM - Type 1+2 combined lightning current and surge arrester



2905472

<https://www.phoenixcontact.com/us/products/2905472>

Remote fault indicator contact

| | |
|----------------------------------|--|
| Connection method | Plug-in/screw connection via COMBICON |
| Screw thread | M2 |
| Tightening torque | 0.25 Nm |
| Stripping length | 7 mm |
| Conductor cross-section flexible | 0.14 mm ² ... 1.5 mm ² |
| Conductor cross-section rigid | 0.14 mm ² ... 1.5 mm ² |
| Conductor cross-section AWG | 28 ... 16 |

Dimensions

| | |
|---------------------|---------------------------------|
| Dimensional drawing | |
| Width | 35.6 mm |
| Height | 95.2 mm |
| Depth | 74.5 mm (incl. DIN rail 7.5 mm) |
| Horizontal pitch | 2 Div. |

Material specifications

| | |
|--|-----------------------------|
| Color (Male connector) | light gray (RAL 7035) |
| Color (Base element) | gray (RAL 7042) |
| Flammability rating according to UL 94 | V-0 |
| CTI value of material | 600 |
| Insulating material | PA6.6-FR 20% GF PBT-FR |
| Material group | I |
| Housing material | PA 6.6-FR 20 % GF PBT-FR |

Mechanical properties

Mechanical data

| | |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

Protective circuit

| | |
|--|--|
| Mode of protection | N-PE |
| Direction of action | N-PE |
| Nominal voltage U_N | 240 V AC (TN - only N-PE) 240 V AC (TT - only N-PE) |
| Nominal frequency f_N | 50 Hz (60 Hz) |
| Maximum continuous operating voltage U_C | 350 V AC |

FLT-SEC-P-T1-N/PE-350/100-FM - Type 1+2 combined lightning current and surge arrester



2905472

<https://www.phoenixcontact.com/us/products/2905472>

| | |
|---|-------------------------------------|
| Rated load current I_L | 125 A (< 55 °C) |
| Protective conductor current I_{PE} | ≤ 0.01 mA |
| Nominal discharge current I_n (8/20) μs | 100 kA |
| Impulse discharge current (10/350) μs, charge | 50 As |
| Impulse discharge current (10/350) μs, specific energy | 2500 kJ/Ω |
| Impulse discharge current (10/350) μs, peak value I_{imp} | 100 kA |
| Follow current interrupt rating I_{fi} | 100 A |
| Voltage protection level U_p | ≤ 1.5 kV |
| Residual voltage U_{res} | ≤ 1.5 kV (at I_n) |
| | ≤ 1 kV (at 10 kA) |
| | ≤ 0.9 kV (at 5 kA) |
| | ≤ 0.8 kV (at 3 kA) |
| Front-of-wave sparkover voltage at 6 kV (1.2/50) μs | ≤ 1.5 kV |
| TOV behavior at U_T | 1200 V AC (200 ms / withstand mode) |
| Response time t_A | ≤ 100 ns |

Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection | IP20 (only when all terminal points are used) |
| Ambient temperature (operation) | -40 °C ... 80 °C |
| Ambient temperature (storage/transport) | -40 °C ... 80 °C |
| Altitude | ≤ 2000 m (amsl) |
| Permissible humidity (operation) | 5 % ... 95 % |
| Shock (operation) | 30g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z) |
| Vibration (operation) | 5g (5 - 500 Hz/2.5 h/X, Y, Z) |

Approvals

UL specifications

| | |
|---|--------------|
| Maximum continuous operating voltage MCOV | 350 V AC |
| Voltage protection rating VPR | 1200 V |
| Nominal discharge current I_n | 20 kA |
| Mode of protection | N-G |
| Nominal voltage | 240 V AC |
| Power distribution system | Single phase |
| Nominal frequency | 50/60 Hz |
| SPD Type | 2CA |

UL indicator/remote signaling

| | |
|----------------------|----------|
| Operating voltage | 125 V AC |
| AC operating current | 1 A AC |

UL connection data

| | |
|-------------------|-------------------------|
| Tightening torque | 40 lb _F -in. |
|-------------------|-------------------------|

FLT-SEC-P-T1-N/PE-350/100-FM - Type 1+2 combined lightning current and surge arrester



2905472

<https://www.phoenixcontact.com/us/products/2905472>

| | |
|-----------------------------|---------|
| Conductor cross-section AWG | 3 ... 2 |
|-----------------------------|---------|

Standards and regulations

| | |
|--------------------------|--------------|
| Standards/specifications | IEC 61643-11 |
| Note | 2011 |

EN 61643-11

| | |
|--------------------------|-------------|
| Standards/specifications | EN 61643-11 |
| Note | 2012 |

Mounting

| | |
|---------------|-----------------|
| Mounting type | DIN rail: 35 mm |
|---------------|-----------------|

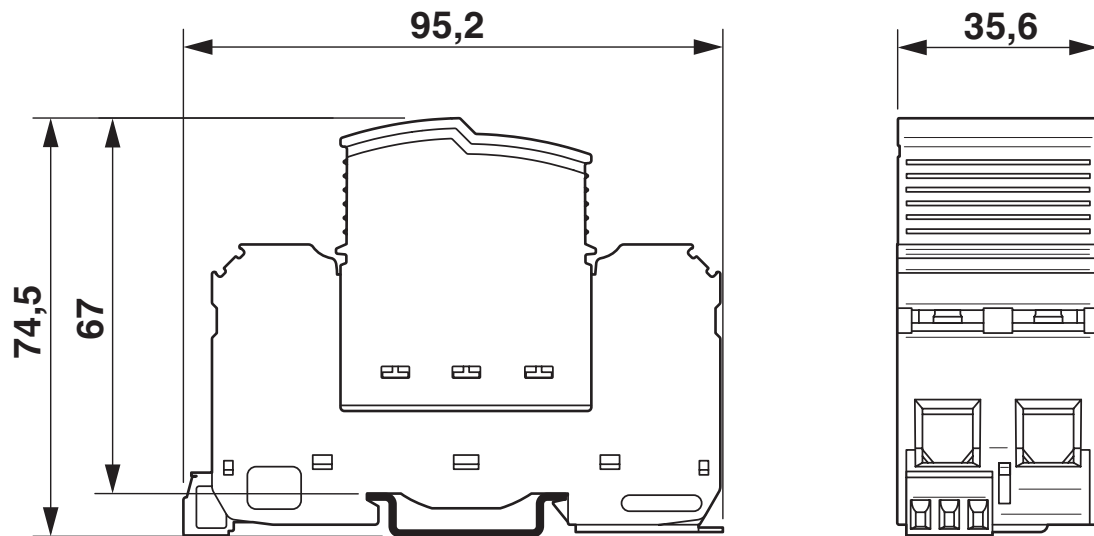
FLT-SEC-P-T1-N/PE-350/100-FM - Type 1+2 combined lightning current and surge arrester

2905472

<https://www.phoenixcontact.com/us/products/2905472>

Drawings

Dimensional drawing



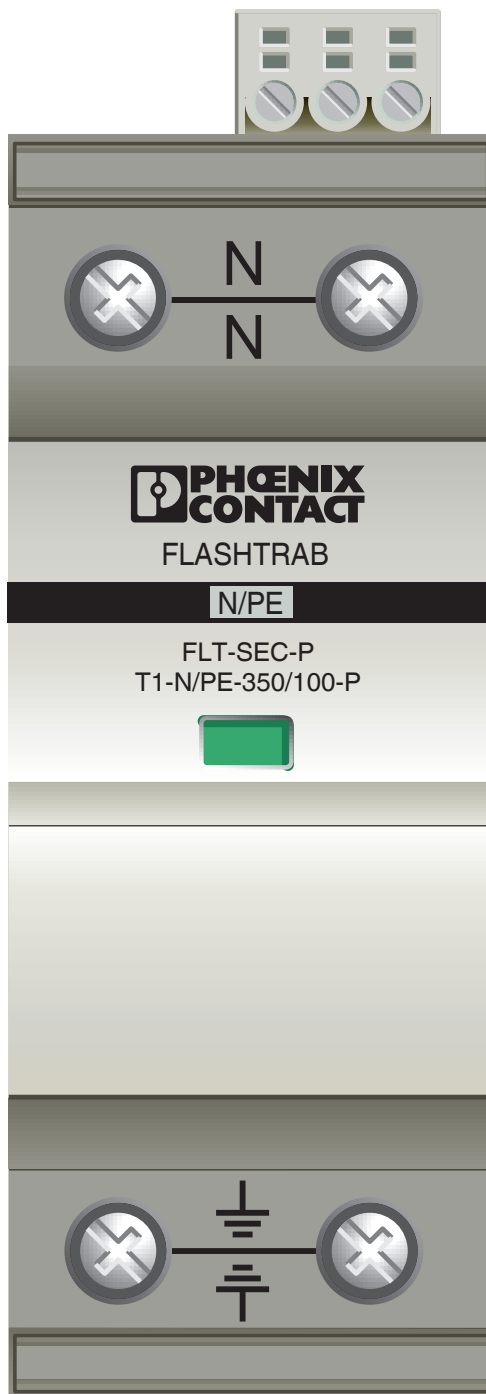
FLT-SEC-P-T1-N/PE-350/100-FM - Type 1+2 combined lightning current and surge arrester



2905472

<https://www.phoenixcontact.com/us/products/2905472>

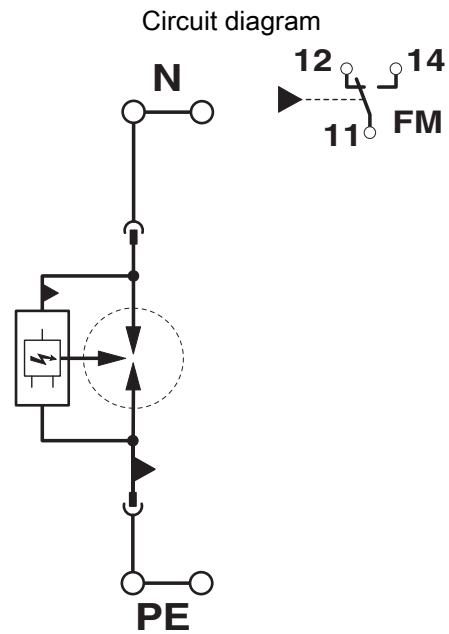
Product drawing



FLT-SEC-P-T1-N/PE-350/100-FM - Type 1+2 combined lightning current and surge arrester

2905472

<https://www.phoenixcontact.com/us/products/2905472>



FLT-SEC-P-T1-N/PE-350/100-FM - Type 1+2 combined lightning current and surge arrester



2905472

<https://www.phoenixcontact.com/us/products/2905472>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2905472>



cUL Recognized
Approval ID: FILE E 330181



UL Recognized
Approval ID: FILE E 330181



IECEE CB Scheme
Approval ID: NL-58252

CCA

Approval ID: NTR-NL 7736



KEMA-KEUR
Approval ID: 71-165049

UAE-RoHS

Approval ID: 23-10-88709

FLT-SEC-P-T1-N/PE-350/100-FM - Type 1+2 combined lightning current and surge arrester



2905472

<https://www.phoenixcontact.com/us/products/2905472>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27171201 |
| ECLASS-15.0 | 27171201 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC000381 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121600 |
|-------------|----------|

FLT-SEC-P-T1-N/PE-350/100-FM - Type 1+2 combined lightning current and surge arrester



2905472

<https://www.phoenixcontact.com/us/products/2905472>

Environmental product compliance

EU RoHS

| | |
|---|------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 003d58f9-b0df-4b07-8098-da6ca71887a8 |

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com