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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Lightning arrester type 1 - FLT-CP-N/PE-350 - 2859754

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Encapsulated pluggable Class I arresters as N/PE spark gap with an ignition mechanism for triggering the sparkover voltage.

Product Features

- Plugs can be checked with CHECKMASTER
- High continuous voltage of 350 V AC for 230/400 V AC networks with high voltage fluctuations
- With floating remote indication contact
- Thermal disconnect device for each individual plug
- Optical, mechanical status indication for the individual arresters



Key Commercial Data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 412.3 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

Environmental Product Compliance

| | |
|------------|--------------------|
| REACH SVHC | UV -328 25973-55-1 |
|------------|--------------------|

Dimensions

| | |
|------------------|---------|
| Height | 95 mm |
| Width | 35.6 mm |
| Depth | 71.5 mm |
| Horizontal pitch | 2 Div. |

Ambient conditions

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Technical data

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 (above mean sea level)) |
| Permissible humidity (operation) | 5 % ... 95 % |
| Shock (operation) | 25g (half sinus / 11 ms / 3x ±X, ±Y, ±Z) |
| Vibration (operation) | 5g (5 - 500 Hz/2.5 h/X, Y, Z) |

General

| | |
|--|---|
| Standards/specifications | IEC 61643-11 2011 |
| | EN 61643-11 2012 |
| IEC test classification | I / II |
| | T1 / T2 |
| EN type | T1 / T2 |
| IEC power supply system | TN-S |
| | TT |
| Number of ports | One |
| SPD design | Voltage-switching type |
| Mode of protection | N-PE |
| Mounting type | DIN rail: 35 mm |
| Color | gray/blue |
| | black |
| Housing material | PBT |
| Degree of pollution | 2 |
| Flammability rating according to UL 94 | V-0 |
| Type | DIN rail module, two-section, divisible |
| Number of positions | 1 |
| Surge protection fault message | Optical, remote indicator contact |

Protective circuit

| | |
|--|---------------------------|
| 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 voltage U_C | 350 V AC |
| Rated load current I_L | 125 A (< 55 °C) |
| Residual current I_{PE} | ≤ 0.01 mA |
| Nominal discharge current I_n (8/20) μ s | 100 kA |
| Impulse discharge current (10/350) μ s, charge | 50 As |

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Protective circuit

| | |
|---|-------------------------------------|
| Impulse discharge current (10/350)# μ s, specific energy | 2500 kJ/ Ω |
| Impulse discharge current (10/350)# μ s, peak value I_{imp} | 100 kA |
| Follow current interrupt rating I_{fi} | 100 A (350 V AC) |
| 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) μ s | ≤ 1.5 kV |
| TOV behavior at U_T | 1200 V AC (200 ms / withstand mode) |
| Response time t_A | ≤ 100 ns |

Indicator/remote signaling

| | |
|---------------------------------------|---------------------------------------|
| Connection name | Remote fault indicator contact |
| Switching function | PDT contact |
| Operating voltage | 12 V AC ... 250 V AC |
| | 125 V DC (200 mA DC) |
| Operating current | 10 mA AC ... 1 A |
| | 1 A (30 V DC) |
| Connection method | Plug-in/screw connection via COMBICON |
| Screw thread | M2 |
| Tightening torque | 0.25 Nm |
| Stripping length | 7 mm |
| Conductor cross section flexible min. | 0.14 mm ² |
| Conductor cross section flexible max. | 1.5 mm ² |
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 1.5 mm ² |
| Conductor cross section AWG | 28 ... 16 |

Connection data

| | |
|---------------------------------------|-----------------------|
| Connection method | Screw terminal blocks |
| Conductor cross section flexible min. | 2.5 mm ² |
| Conductor cross section flexible max. | 25 mm ² |
| Conductor cross section solid min. | 2.5 mm ² |
| Conductor cross section solid max. | 35 mm ² |
| Conductor cross section AWG | 13 ... 2 |
| Screw thread | M5 |
| Tightening torque | 4.5 Nm |

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Technical data

Connection data

| | |
|------------------|-------|
| Stripping length | 18 mm |
|------------------|-------|

UL specifications

| | |
|---|------------------|
| SPD Type | 4CA |
| Maximum continuous operating voltage MCOV (N-G) | 264 V AC |
| Mode of protection | N-G |
| Power distribution system | 1S |
| Nominal frequency | 50/60 Hz |
| Measured limiting voltage MLV (N-G) | 1080 V |
| Nominal discharge current I_n (N-G) | 20 kA |
| Follow current (N-G) | 200 A (264 V AC) |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140201 |
| eCl@ss 4.1 | 27130801 |
| eCl@ss 5.0 | 27130801 |
| eCl@ss 5.1 | 27130801 |
| eCl@ss 6.0 | 27130802 |
| eCl@ss 7.0 | 27130802 |
| eCl@ss 8.0 | 27130802 |
| eCl@ss 9.0 | 27130802 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000941 |
| ETIM 3.0 | EC000941 |
| ETIM 4.0 | EC000381 |
| ETIM 5.0 | EC000381 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30212010 |
| UNSPSC 7.0901 | 39121610 |
| UNSPSC 11 | 39121610 |
| UNSPSC 12.01 | 39121610 |
| UNSPSC 13.2 | 39121620 |

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Approvals

Approvals


Approvals


UL Recognized / KEMA-KEUR / cUL Recognized / CCA / IECB Scheme / CCA / IECB Scheme / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized 

KEMA-KEUR 

cUL Recognized 

CCA

IECEE CB Scheme 

CCA

IECEE CB Scheme 

EAC

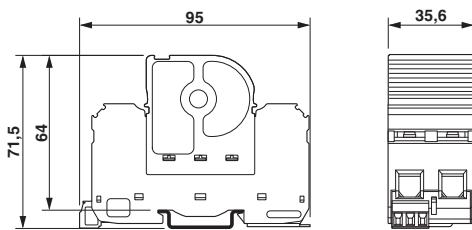
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Approvals



Drawings

Dimensional drawing



Circuit diagram

