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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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Surge voltage arrester consisting of base element with remote indicator contact and protective plug with a connection in series with a varistor and a gas-filled spark gap, for mounting on NS 35/7.5, nominal voltage: 230 V AC, 1-channel

Product Features

- Single-channel, DIN-rail mountable protective devices
- Consists of base element and plug
- Mechanical coding of all slots
- Optical, mechanical status indication for the individual arresters
- ☑ Disconnect device on each individual plug
- ☑ Base element with/without floating remote indication contact



Key commercial data

| Packing unit | 1 pc |
|--------------------------------------|-----------|
| Weight per Piece (excluding packing) | 133.4 GRM |
| Custom tariff number | 85363030 |
| Country of origin | Germany |

Technical data

Dimensions

| Height | 97 mm |
|------------------|---------|
| Width | 17.6 mm |
| Depth | 58 mm |
| Horizontal pitch | 1 Div. |

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 |



Technical data

Ambient conditions

| Altitude | ≤ 2000 m (amsl (above mean sea level)) |
|----------------------------------|--|
| Permissible humidity (operation) | 5 % 95 % |
| Shock (operation) | 25g |
| Vibration (operation) | 5g |

General

| Standards/specifications | IEC 61643-11 2011 |
|---|---|
| | EN 61643-11 2012 |
| IEC test classification | II |
| | T2 |
| EN type | T2 |
| Number of ports | One |
| SPD design | Combination type |
| Mode of protection | L-PEN |
| | L-N |
| | L-PE |
| Mounting type | DIN rail: 35 mm |
| Color | black |
| Housing material | PA 6.6 |
| | РВТ |
| Pollution degree | 2 |
| Inflammability class according to UL 94 | V-0 |
| Туре | DIN rail module, two-section, divisible |
| Number of positions | 1 |
| Surge protection fault message | Optical, remote indicator contact |

Additional descriptions

| Note | Usable in all low-voltage systems between L-N or L-PEN. Only usable in IT Systems between L-PE, if the exposed-conductive-parts (bodies) of the equipment of the low-voltage installation is connected to the earthing arrangement of the transformer substation. (interconnected earthing arrangement of the HV-transformer substation with the bodies of the LV-installation. $R_{\rm E} = R_{\rm A}$ accordance to IEC 60364-4-442 / VDE 0100-442 Fig. 44D / Example a) |
|------|--|
|------|--|

Protective circuit

| Nominal voltage U _N | 240/415 V AC (TN) |
|---|--------------------|
| | 240/415 V AC (TT) |
| | 230 V AC (IT) |
| Nominal frequency f _N | 50 Hz (60 Hz) |
| Nominal DC sparkover voltage U _{agn} | 600 V +30 % / -5 % |



Technical data

Protective circuit

| Maximum continuous operating voltage U _C | 350 V AC |
|--|-------------------------------------|
| Rated load current I _L | 80 A |
| Residual current I _{PE} | ≤ 5 µA |
| Standby power consumption P _C | ≤ 2 mVA |
| Nominal discharge current I _n (8/20) μs | 10 kA |
| Maximum discharge current I _{max} (8/20) μs | 20 kA |
| Short-circuit current rating I _{SCCR} | 25 kA |
| Voltage protection level U _p | ≤ 1.5 kV |
| Residual voltage U _{res} | ≤ 1.2 kV (at I _n) |
| | ≤ 1.2 kV (at 10 kA) |
| | ≤ 1.1 kV (at 5 kA) |
| Front of wave sparkover voltage at 6 kV (1.2/50) µs | ≤ 1.5 kV |
| TOV behavior at U _T | 415 V AC (5 s / withstand mode) |
| | 440 V AC (120 min / withstand mode) |
| Response time t _A | ≤ 100 ns |
| Max. required backup fuse with branch wiring | 125 A AC (gG) |
| Max. required backup fuse with V-type through wiring | 80 A AC (gG) |

Indicator/remote signaling

| Connection name | Remote fault indicator contact |
|---------------------------------------|--------------------------------|
| Connection name | |
| Switching function | PDT contact |
| Operating voltage | 5 V AC 250 V AC |
| | 125 V AC (UL) |
| | 30 V DC |
| Operating current | 5 mA AC 1 A AC |
| | 1 A AC (UL) |
| | 1 A DC |
| Connection method | Screw connection |
| Screw thread | M2 |
| Tightening torque | 0.25 Nm |
| | 4 lb _F -in. (UL) |
| Stripping length | 7 mm |
| Conductor cross section stranded min. | 0.14 mm² |
| Conductor cross section stranded max. | 1.5 mm² |
| Conductor cross section solid min. | 0.14 mm² |
| Conductor cross section solid max. | 1.5 mm² |
| AWG conductor cross section | 28 16 |
| | |



Technical data

Indicator/remote signaling

| | 30 14 (UL) |
|--|------------|
|--|------------|

Connection data

| Connection method | Screw connection |
|---------------------------------------|------------------------------|
| Conductor cross section stranded min. | 1.5 mm ² |
| Conductor cross section stranded max. | 25 mm² |
| Conductor cross section solid min. | 1.5 mm ² |
| Conductor cross section solid max. | 35 mm ² |
| AWG conductor cross section | 15 2 |
| | 10 2 (UL) |
| Screw thread | M5 |
| Tightening torque | 4.5 Nm |
| | 30 lb _f -in. (UL) |
| Stripping length | 16 mm |

NEMA/UL protective circuit

| UL class | Type 4 SPD for Type 2 applications |
|---|------------------------------------|
| Maximum continuous operating voltage MCOV (L-N) | 350 V AC |
| Nominal voltage U _N | 350 V AC |
| Mode of protection | L-N |
| Power distribution system | 1 |
| Nominal frequency | 50/60 Hz |
| Voltage protection rating VPR (L-N) | 1.2 kV |
| Nominal discharge current I _n (L-N) | 10 kA |

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 | 27130805 |
| eCl@ss 7.0 | 27130805 |

ETIM

| ETIM 2.0 | EC000941 |
|----------|----------|
| ETIM 3.0 | EC000941 |



Classifications

| ETIM 4.0 | EC000941 |
|----------|----------|
| ETIM 5.0 | EC000941 |

UNSPSC

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

Approvals

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Approvals

IECEE CB Scheme / UL Recognized / KEMA-KEUR / ÖVE / cUL Recognized / GOST / CCA / KEMA-KEUR / CSA / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

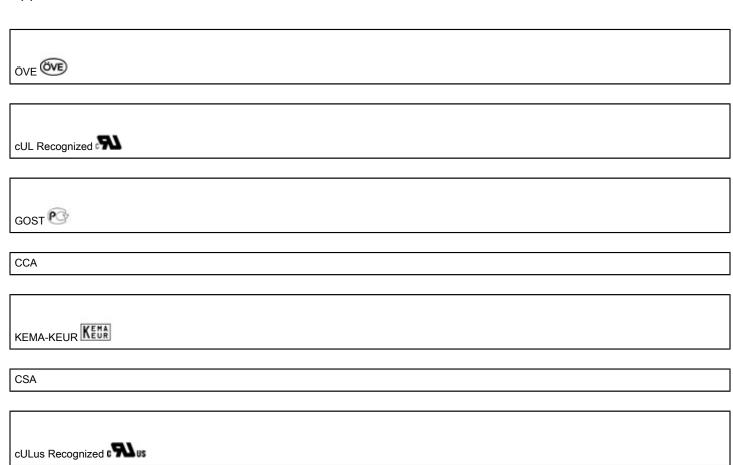
IECEE CB Scheme CB

UL Recognized **\$\)**

KEMA-KEUR KEWA

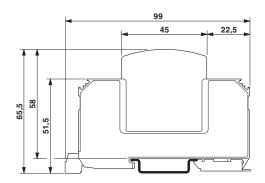


Approvals

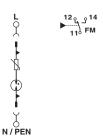


Drawings

Dimensioned drawing



Circuit diagram





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