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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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Universal varistor-based plug-in lightning/surge arrester for 3-phase power supply networks with common N and PE (4-conductor system: L1, L2, L3, PEN).

The figure shows the 335 V version

Why buy this product

- ☑ Plugs can be checked with CHECKMASTER
- Secure hold of plugs in the event of high lightning current loads and strong vibrations thanks to new latching
- Optical, mechanical status indication for the individual arresters
- ✓ Pluggable
- Mechanical coding of all slots



Key Commercial Data

| Packing unit | 1 STK |
|--------------|-----------------|
| GTIN | 4 046356 624329 |
| GTIN | 4046356624329 |

Technical data

Dimensions

| Height | 90 mm |
|------------------|---------|
| Width | 53.4 mm |
| Depth | 77.5 mm |
| Horizontal pitch | 3 Div. |

Ambient conditions

| Degree of protection | IP20 (only when all terminal points are used) |
|---------------------------------|---|
| Ambient temperature (operation) | -40 °C 80 °C |



Technical data

Ambient conditions

| Ambient temperature (storage/transport) | -40 °C 80 °C |
|---|--|
| Altitude | ≤ 2000 m (amsl (above mean sea level)) |
| Permissible humidity (operation) | 5 % 95 % |
| Shock (operation) | 30g (half sinus / 11 ms / 3x ±X, ±Y, ±Z) |
| Vibration (operation) | 7.5g (10 500 Hz / 2.5 h / X, Y, Z) |

General

| IEC test classification | 1/11 |
|--|---|
| | T1 / T2 |
| | T1 |
| | I |
| EN type | T1 / T2 |
| | T1 |
| IEC power supply system | TN-C |
| Mode of protection | L-PEN |
| Mounting type | DIN rail: 35 mm |
| Color | jet black RAL 9005 |
| Housing material | PA 6.6 |
| | РВТ |
| Degree of pollution | 2 |
| Flammability rating according to UL 94 | V-0 |
| Design | DIN rail module, two-section, divisible |
| Surge protection fault message | optical |

Additional descriptions

| Noto | I Nominal valtage I $INI = 120 V A C / 240 V A C enlit phase (concrete CND) I$ |
|------|--|
| Note | Nominal voltage UN = 120 V AC/240 V AC split-phase (separate GND) |
| | |

Protective circuit

| Nominal voltage U _N | 120/208 V AC (TN-C) |
|--|---------------------|
| Nominal frequency f _N | 50 Hz (60 Hz) |
| Maximum continuous voltage U _C | 175 V AC |
| Rated load current I _L | 80 A |
| Residual current I _{PE} | ≤ 2400 µA |
| Standby power consumption P _C | ≤ 420 mVA |
| Nominal discharge current I _n (8/20) μs | 12.5 kA |
| Maximum discharge current I _{max} (8/20) μs | 50 kA |
| Impulse discharge current (10/350) μs, charge | 6.25 As |
| Impulse discharge current (10/350) μs, specific energy | 39 kJ/Ω |
| Impulse discharge current (10/350) μs, peak value l _{imp} | 12.5 kA |
| Total discharge current I _{total} (8/20) μs | 150 kA |



Technical data

Protective circuit

| Total discharge current I _{total} (10/350) μs | 37.5 kA |
|--|-------------------------------------|
| Short-circuit current rating I _{SCCR} | 25 kA |
| Voltage protection level U _p | ≤ 0.8 kV |
| Residual voltage U _{res} | \leq 0.8 kV (at I _n) |
| | ≤ 0.7 kV (at 10 kA) |
| | ≤ 0.6 kV (at 5 kA) |
| | ≤ 0.55 kV (at 3 kA) |
| TOV behavior at U _T | 208 V AC (5 s / withstand mode) |
| | 229 V AC (120 min / withstand mode) |
| Response time t _A | ≤ 25 ns |
| Max. backup fuse with branch wiring | 160 A (gG) |
| Max. backup fuse with V-type through wiring | 80 A (gG - 16 mm²) |

Connection data

| Connection method | Screw connection |
|----------------------------------|------------------|
| Screw thread | M5 |
| Tightening torque | 4.5 Nm |
| Stripping length | 16 mm |
| Conductor cross section flexible | 1.5 mm² 25 mm² |
| Conductor cross section solid | 1.5 mm² 35 mm² |
| Conductor cross section AWG | 15 2 |

UL specifications

| SPD Type | 4CA |
|---|--------------|
| Maximum continuous operating voltage MCOV (L-L) | 350 V AC |
| Maximum continuous operating voltage MCOV (L-G) | 175 V AC |
| Nom. voltage | 208/120 V AC |
| Mode of protection | L-L |
| | L-G |
| Power distribution system | 3Y |
| Nominal frequency | 50/60 Hz |
| Measured limiting voltage MLV (L-L) | 2800 V |
| Measured limiting voltage MLV (L-G) | 2200 V |
| Nominal discharge current I _n (L-L) | 20 kA |
| Nominal discharge current I _n (L-G) | 20 kA |

UL connection data

| Conductor cross section AWG | 10 2 |
|-----------------------------|-------------------------|
| Tightening torque | 30 lb _r -in. |

Standards and Regulations



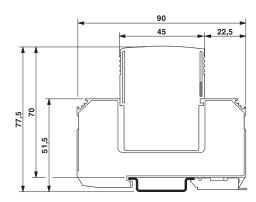
Technical data

Standards and Regulations

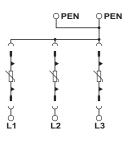
| Standards/regulations | IEC 61643-11 2011 |
|-----------------------|-------------------|
| | EN 61643-11 2012 |

Drawings





Circuit diagram



Approvals

Approvals

Approvals

KEMA-KEUR / ÖVE / IECEE CB Scheme / CCA / UL Recognized / cUL Recognized / EAC / DNV GL / cULus Recognized

Ex Approvals

Approval details

| KEMA-KEUR | KEMA http://www.c | ekra-certification.com | 2162496-01 |
|-----------|-------------------|------------------------|------------|
|-----------|-------------------|------------------------|------------|

| ÖVE | ÖVE | https://www.ove.at/en/certification-pz/certification-register/ | 18583-009-05 |
|-----|-----|--|--------------|
| ÖVE | ÖVE | https://www.ove.at/en/certification-pz/certification-register/ | 18583-009-05 |



Approvals

| CCA | | | NTR-AT 1906 |
|------------------|-----------------|---|-------------------------|
| UL Recognized | 7. 1 | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 330181 |
| cUL Recognized | . A L | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 330181 |
| EAC | EAC | | RU C- DE.A*30.B01561 |
| DNV GL | | http://exchange.dnv.com/tari/ | TAE00001N9 |
| cULus Recognized | c 911 us | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | |

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