

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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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Lightning/surge arrester, consisting of base element and protective plug with N-PE total current spark gap, for mounting on NS 35/7,5. Housing width: 17.5 mm (1TE)



Key Commercial Data

| Packing unit | 1 pc |
|----------------------|----------|
| Custom tariff number | 85363030 |
| Country of origin | Germany |

Technical data

Dimensions

| Height | 90 mm |
|------------------|---------|
| Width | 17.5 mm |
| Depth | 77.5 mm |
| Horizontal pitch | 1 Div. |

Ambient conditions

| Degree of protection | IP20 |
|---|---|
| | 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) | 30g |
| Vibration (operation) | 7.5g |

General

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



Technical data

General

| IEC test classification | 1/11 |
|--|---|
| | T1 / T2 |
| | I |
| EN type | T1 / T2 |
| IEC power supply system | TN-S |
| Number of ports | One |
| SPD design | Voltage-limiting type |
| Mode of protection | N-PE |
| Mounting type | DIN rail: 35 mm |
| Color | black |
| Housing material | PA 6.6 |
| | РВТ |
| Degree of pollution | 2 |
| Flammability rating according to UL 94 | V-0 |
| Туре | DIN rail module, two-section, divisible |
| Surge protection fault message | optical |

Protective circuit

| Nominal voltage U _N | 240/415 V AC (TN-S) |
|--|------------------------------------|
| Nominal frequency f _N | 50 Hz (60 Hz) |
| Maximum continuous voltage U _C | 264 V AC |
| Rated load current I _L | 80 A |
| Residual current I _{PE} | ≤ 5 µA |
| Standby power consumption P _C | 1.3 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 | 25 As |
| Impulse discharge current (10/350)#µs, specific energy | 625 kJ/Ω |
| Impulse discharge current (10/350)#µs, peak value I _{imp} | 50 kA |
| Total discharge current I _{Total} (8/20) μs | 50 kA |
| Total discharge current I _{Total} (10/350) μs | 50 kA |
| Follow current interrupt rating I _{fi} | 0.1 kA |
| Voltage protection level U _p | ≤ 1.7 kV |
| Residual voltage U _{res} | \leq 0.6 kV (at I _n) |
| | ≤ 0.5 kV (at 10 kA) |
| | ≤ 0.5 kV (at 5 kA) |
| | ≤ 0.4 kV (at 3 kA) |



Technical data

Protective circuit

| Front of wave sparkover voltage at 6 kV (1.2/50) µs | ≤ 1.7 kV |
|---|-------------------------------------|
| TOV behavior at U _T | 1200 V AC (200 ms / withstand mode) |
| Response time t _A | ≤ 100 ns |

Connection data

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

Classifications

eCl@ss

| eCl@ss 4.0 | 27140201 |
|------------|----------|
| eCl@ss 4.1 | 27140299 |
| eCl@ss 5.0 | 27140202 |
| eCl@ss 5.1 | 27130801 |
| eCl@ss 6.0 | 27130802 |
| eCl@ss 7.0 | 27141140 |
| eCl@ss 8.0 | 27130802 |
| eCl@ss 9.0 | 27130802 |

ETIM

| ETIM 3.0 | EC000943 |
|----------|----------|
| ETIM 4.0 | EC000381 |
| ETIM 5.0 | EC000381 |

UNSPSC

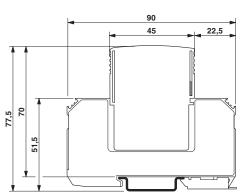
| UNSPSC 6.01 | 30212010 |
|---------------|----------|
| UNSPSC 7.0901 | 39121610 |
| UNSPSC 11 | 39121610 |
| UNSPSC 12.01 | 39121610 |
| UNSPSC 13.2 | 39121620 |



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Dimensional drawing



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