

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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Universal varistor-based plug-in lightning/surge arrester for 1-phase power supply networks with common N and PE (2-conductor system: L1, PEN).

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
- ☑ Pluggable
- Mechanical coding of all slots



Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 698108
GTIN	4046356698108

Technical data

Dimensions

Height	90 mm
Width	17.5 mm
Depth	77.5 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	
Altitude	≤ 2000 m (amsl (above mean sea level))	



Technical data

Ambient conditions

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

1/11	
T1 / T2	
T1	
T1 / T2	
T1	
TN-S	
TN-C	
тт	
L-N	
L-PEN	
DIN rail: 35 mm	
jet black RAL 9005	
PA 6.6	
PBT	
2	
V-0	
DIN rail module, two-section, divisible	
optical	

Protective circuit

Nominal voltage U _N	240 V AC (TN-C, TN-S)
	240 V AC (TT)
Nominal frequency f _N	50 Hz (60 Hz)
Maximum continuous voltage U _C	335 V AC
Rated load current I _L	80 A
Residual current I _{PE}	≤ 800 µA
Standby power consumption P _C	≤ 270 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	12.5 kA
Total discharge current I _{total} (10/350) μs	12.5 kA
Short-circuit current rating I _{SCCR}	25 kA



Technical data

Protective circuit

Voltage protection level U _p	≤ 1.2 kV	
	≤ 1.6 kV (30 kA - 8/20 µs)	
Residual voltage U _{res}	\leq 1.2 kV (at I _n)	
	≤ 1.1 kV (at 10 kA)	
	≤ 1 kV (at 5 kA)	
	≤ 0.9 kV (at 3 kA)	
TOV behavior at U _T	415 V AC (5 s / 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

Standards and Regulations

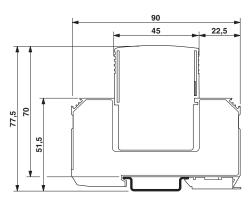
Standards/regulations	IEC 61643-11 2011
	EN 61643-11 2012

Drawings

Circuit diagram



Dimensional drawing



Approvals

Approvals



Approvals		
Approvals		
EAC		
Ex Approvals		
Approval details	3	
EAC	ERC	RU C- DE.A*30.B01561

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