

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), with remote indication contact.

#### Why buy this product

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



### **Key Commercial Data**

Packing unit	1 STK
GTIN	4 046356 698122
GTIN	4046356698122

### Technical data

#### **Dimensions**

Height	99 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



## Technical data

### Ambient conditions

Altitude	≤ 2000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % 95 %
Shock (operation)	30g
Vibration (operation)	7.5g

#### General

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

### Protective circuit

Nominal voltage U <sub>N</sub>	120 V AC (TN-C, TN-S)
	120 V AC (TT)
Nominal frequency f <sub>N</sub>	50 Hz (60 Hz)
Maximum continuous voltage U <sub>C</sub>	175 V AC
Rated load current I <sub>L</sub>	80 A
Residual current I <sub>PE</sub>	≤ 800 µA
Standby power consumption P <sub>C</sub>	≤ 140 mVA
Nominal discharge current I <sub>n</sub> (8/20) μs	12.5 kA
Maximum discharge current I <sub>max</sub> (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 <sub>imp</sub>	12.5 kA
Total discharge current I <sub>total</sub> (8/20) μs	12.5 kA



## Technical data

#### Protective circuit

Total discharge current I <sub>total</sub> (10/350) μs	12.5 kA
Short-circuit current rating I <sub>SCCR</sub>	25 kA
Voltage protection level U <sub>p</sub>	≤ 0.8 kV
Residual voltage U <sub>res</sub>	$\leq$ 0.8 kV (at I <sub>n</sub> )
	≤ 1.5 kV (at 30 kA)
	≤ 0.7 kV (at 10 kA)
	≤ 0.6 kV (at 5 kA)
	≤ 0.55 kV (at 3 kA)
TOV behavior at U <sub>T</sub>	208 V AC (5 s / withstand mode)
Response time t <sub>A</sub>	≤ 25 ns
Max. backup fuse with branch wiring	160 A (gG)
Max. backup fuse with V-type through wiring	80 A (gG - 16 mm²)

### Indicator/remote signaling

Switching function	PDT contact
Operating voltage	5 V AC 250 V AC
	30 V DC
Operating current	5 mA AC 1 A AC
	1 A DC
Connection method	Screw connection
Screw thread	M2
Tightening torque	0.25 Nm
Stripping length	7 mm
Conductor cross section flexible	0.14 mm² 1.5 mm²
Conductor cross section solid	0.14 mm² 1.5 mm²
Conductor cross section AWG	28 16

#### 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

### **Environmental Product Compliance**

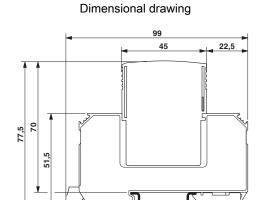


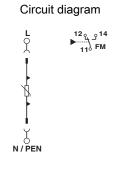
### Technical data

### **Environmental Product Compliance**

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## **Drawings**





## Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

RU C-DE.A\*30.B01561



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