

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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Protective plug PT with surge voltage equipment protection for power supply units, visual error display, nominal voltage: 24 V and a 2-core floating signal circuit, nominal voltage: 24 V.

Why buy this product

- ☑ Plugs can be checked with CHECKMASTER
- Maximum ease of maintenance thanks to the two-piece design
- ☑ Base element remains an integral part of the installation
- ☑ Consistent plug-in signal circuit protection



Key Commercial Data

Packing unit	10 STK
GTIN	4 017918 819323
GTIN	4017918819323

Technical data

Dimensions

Height	44.8 mm
Width	17.5 mm
Depth	51.7 mm
Horizontal pitch	1 Div.
Complete module height	90 mm
Complete module width	17.7 mm
Complete module depth	65.5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C 85 °C
Ambient temperature (storage/transport)	-40 °C 85 °C



Technical data

General

Housing material	PA 6.6
Flammability rating according to UL 94	V-0
Color	jet black RAL 9005
Mounting type	on base element
Туре	Male
Current supply arrester can be tested with CHECKMASTER starting with software version:	From SW rev. 1.00
Direction of action	L-N-PE & Signal Line-Signal Line-Earth Ground

Protective circuit, power supply

EN type	Т3
Arrester rated voltage U _C	34 V AC
	44 V DC
Nominal frequency f _N	50 Hz (60 Hz)
Rated load current I _L	6 A (30 °C)
Operating effective current I _C at U _C	≤ 1.5 mA
Residual current I _{PE}	≤ 5 μA
Nominal discharge current I _n (8/20) μs	700 A
Max. discharge current I _{max} (8/20) µs	2 kA
Combination wave U _{oc}	2 kV
Voltage protection level U _ρ (L-N)	≤ 0.18 kV
Voltage protection level U _p (L-PE)	≤ 0.55 kV
Response time (L-N)	≤ 25 ns
Response time (L-PE)	≤ 100 ns
Surge protection fault message	optical

Connection (protective circuit, power supply)

Connection method	Screw connection (in connection with the base element)
Connection method IN	PLUGTRAB plug-in system
Connection method OUT	PLUGTRAB plug-in system
Screw thread	M3
Stripping length	8 mm

Protective circuit, information technology

Nominal voltage U _N	24 V AC
Arrester rated voltage U _C	40 V DC
	28 V AC
Rated current	450 mA (45°C)
Operating effective current I _C at U _C	≤ 5 μA
Residual current I _{PE}	≤ 2 µA
Nominal discharge current I _n (8/20) µs (line-line)	10 kA
Nominal discharge current I _n (8/20) µs (line-earth)	10 kA



Technical data

Protective circuit, information technology

Max. discharge current I _{max} (8/20) µs maximum (line-line)	10 kA
Max. discharge current I _{max} (8/20) μs maximum (line-earth)	20 kA (in total)
Voltage protection level U _p (line-line)	≤ 80 V (C2 - 10 kV / 5 kA)
Voltage protection level U _p (line-earth)	≤ 450 V (C2 - 10 kV / 5 kA)
Response time t _A (line-line)	≤ 1 ns
Response time t _A (line-earth)	≤ 100 ns
Input attenuation aE, sym.	typ. 0.5 dB (≤ 1.5 MHz / 50 Ω)
	typ. 0.2 dB (≤ 500 kHz / 150 Ω)
	typ. 0.1 dB (≤ 100 kHz / 600 Ω)
Cut-off frequency fg (3 dB), sym. in 50 Ohm system	typ. 8 MHz
Cut-off frequency fg (3 dB), sym. in 150 Ohm system	typ. 3 MHz
Cut-off frequency fg (3 dB), sym. in 600 Ohm system	typ. 800 kHz
Capacity (line-line)	typ. 1.1 nF
Capacity (line-earth)	typ. 4 pF
Resistance in series	2.2 Ω ±10 %
Surge protection fault message	Optical, remote indicator contact
Output voltage limitation at 1 kV/µs (wire-wire)	≤ 55 V
Output voltage limitation at 1 kV/µs (wire-earth)	≤ 25 V
Residual voltage at I _n (line-line)	≤ 55 V
Residual voltage with Ian (10/1000) µs (line-line)	≤ 65 V
Impulse durability (line-line)	C2 - 10 kV/5 kA
	C3 - 23 A
Impulse durability (line-earth)	C2 - 10 kV/5 kA
	D1 - 2.5 kA

Power supply, general

Connection method	Screw connection (in connection with the base element)
Connection method IN	PLUGTRAB plug-in system
Connection method OUT	PLUGTRAB plug-in system
Screw thread	M3
Stripping length	8 mm

Standards (protective circuit, information technology)

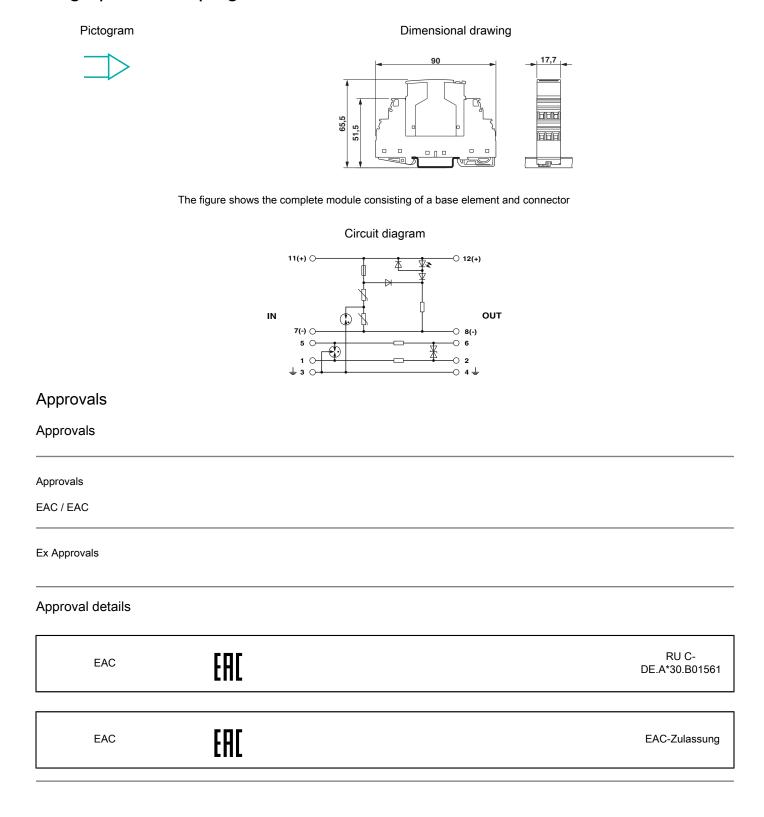
IEC test classification	C1
	C2
	C3
	D1

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
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Drawings







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