

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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Surge arrester consisting of 2-channel base element with remote indication contact and protective plugs connected in series with a varistor and a gas-filled spark gap.

Product Features

- ☑ Disconnect device on each individual plug
- Mechanical coding of all slots
- ☑ Optical, mechanical status indication for the individual arresters







Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	250.0 GRM
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	97 mm
Width	35.6 mm
Depth	58 mm
Horizontal pitch	2 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)	25g
Vibration (operation)	5g

General

Standards/specifications	IEC 61643-11 2011
	EN 61643-11 2012
IEC test classification	II
	T2
EN type	T2
IEC power supply system	IT (please see note below)
Number of ports	One
SPD design	Combination type
Mode of protection	L-PEN
	L-PE
Mounting type	DIN rail: 35 mm
Color	black
Housing material	PA 6.6
	РВТ
Pollution degree	2
Distance between live and grounded parts	8 mm
Inflammability class according to UL 94	V-0
Туре	DIN rail module, two-section, divisible
Number of positions	2
Surge protection fault message	Optical, remote indicator contact

Additional descriptions

Note	Usable in all low-voltage systems between L-N or L-PEN. Only usable in IT Systems between L-PE, if the exposed-conductive-parts (bodies) of the equipment of the low-voltage installation is connected to the earthing arrangement of the transformer substation. (interconnected earthing arrangement of the HV-transformer substation with the bodies of the LV-installation. $R_{\rm E}=R_{\rm A}$ accordance to IEC 60364-4-442 / VDE 0100-442 Fig. 44D / Example a)
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Protective circuit

Nominal voltage U _N	400/690 V AC (TN-C)
	690 V AC (IT)
Nominal frequency f _N	50 Hz (60 Hz)



Technical data

Protective circuit

Maximum continuous operating voltage U _C (L-PE)	800 V AC
Maximum continuous operating voltage U _C (L-PEN)	800 V AC
Rated load current I _L	80 A
Residual current I _{PE}	≤ 3 µA
Standby power consumption P _C	≤ 3 mVA
Nominal discharge current I _n (8/20) µs (L-PE)	15 kA
Nominal discharge current I _n (8/20) µs (L-PEN)	15 kA
Maximum discharge current I _{max} (8/20) μs (L-PE)	30 kA
Maximum discharge current I _{max} (8/20) μs (L-PEN)	30 kA
Short-circuit current rating I _{SCCR}	25 kA
Voltage protection level U _p (L-PE)	≤ 5 kV
Voltage protection level U _p (L-PEN)	≤ 5 kV
Residual voltage U _{res} (L-PE)	\leq 3 kV (at I _n)
	≤ 2.6 kV (at 10 kA)
	≤ 2.4 kV (at 5 kA)
	≤ 2.3 kV (at 3 kA)
Residual voltage U _{res} (L-PEN)	\leq 3 kV (at I _n)
	≤ 2.6 kV (at 10 kA)
	≤ 2.4 kV (at 5 kA)
	≤ 2.3 kV (at 3 kA)
Front of wave sparkover voltage at 6 kV (1.2/50) µs (L-PE)	≤ 5 kV
Front of wave sparkover voltage at 6 kV (1.2/50) µs (L-PEN)	≤ 5 kV
TOV behavior at U_T (L-PEN)	1550 V AC (5 s / withstand mode)
Response time t _A (L-PE)	≤ 100 ns
Response time t _A (L-PEN)	≤ 100 ns
Max. backup fuse with branch wiring	100 A AC (gG)
Max. backup fuse with V-type through wiring	80 A AC (gG)

Indicator/remote signaling

Connection name	Remote fault indicator contact
Switching function	PDT contact
Operating voltage	5 V AC 250 V AC
	30 V DC
Operating current	5 mA AC 1.5 A AC
	1 A DC
Connection method	Screw connection
Screw thread	M2



Technical data

Indicator/remote signaling

Tightening torque	0.25 Nm
Stripping length	7 mm
Conductor cross section stranded min.	0.14 mm²
Conductor cross section stranded max.	1.5 mm²
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	1.5 mm²
AWG conductor cross section	28 16

Connection data

Connection method	Screw connection
Conductor cross section stranded min.	1.5 mm²
Conductor cross section stranded max.	25 mm ²
Conductor cross section solid min.	1.5 mm²
Conductor cross section solid max.	35 mm²
AWG conductor cross section	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	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130805
eCl@ss 7.0	27130805
eCI@ss 8.0	27130805

ETIM

ETIM 2.0	EC000941
ETIM 3.0	EC000941
ETIM 4.0	EC000941
ETIM 5.0	EC000941

UNSPSC

UNSPSC 6.01	30212010



Classifications

UNSPSC

UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

UNSPSC 12.01	39121610
UNSPSC 13.2	39121620
Approvals	
Approvals	
Approvals	
KEMA-KEUR / ÖVE / GL / CCA / IECEE CB Scheme / KEMA-KEUR / ÖVE	
Ex Approvals	
Approvals submitted	
Approval details	
KEMA-KEUR KEMA	
ÖVE ÖVE	
GL	
CCA	
IECEE CB Scheme CB	



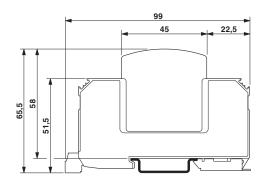
Approvals



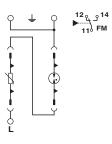


Drawings

Dimensioned drawing



Circuit diagram



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