

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 for 5-conductor power supply systems (L1, L2, L3, N, PE), consisting of a base element and protective connectors, for mounting on NS 35.

Product Features

- Multi-channel type 2 arresters
- ☑ 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)	365.4 GRM
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	90 mm
Width	71.2 mm
Depth	65.5 mm
Horizontal pitch	4 Div.

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C 80 °C



Technical data

General

Housing material	PBT / PA
Inflammability class according to UL 94	V0
Color	black
Standards for air and creepage distances	EN 60664-1
	EN 61643-11
Mounting type	DIN rail: 35 mm
Туре	DIN rail module, two-section, divisible
Number of positions	4
Surge protection fault message	Optical
Direction of action	3L-N & N-PE

Protective circuit

IEC test classification	II
	T2
EN type	T2
Nominal voltage U _N	230 V AC (400 V AC)
	400 V AC
	230 V AC
Maximum continuous operating voltage U _C	350 V AC
Maximum continuous operating voltage U _C (L-N)	350 V AC
Maximum continuous operating voltage U _C (N-PE)	260 V AC
U_T (TOV-proof)	415 V AC (5 s / L-N)
	1200 V AC (200 ms / N-PE)
Nominal frequency f _N	50 Hz (60 Hz)
Residual current I _{PE}	≤ 3 µA
Standby power consumption P _C	≤ 360 mVA
Max. discharge current I _{max} (8/20) µs	20 kA (per channel L-N)
Max. discharge current I _{max} (8/20) µs maximum (L-N)	60 kA (all channels)
	20 kA (per channel)
Max. discharge current I _{max} (8/20) µs maximum (N-PE)	30 kA
Nominal discharge current I _n (8/20) μs (L-N)	30 kA (all channels)
	10 kA (per channel)
Nominal discharge current I _n (8/20) μs (N-PE)	20 kA
Front of wave sparkover voltage at 6 kV (1.2/50) µs (N-PE)	≤ 1.5 kV
Voltage protection level U _p (L-N)	≤ 1.4 kV
Voltage protection level U _p (N-PE)	≤ 1.5 kV
Residual voltage (L-N)	≤ 1.4 kV



Technical data

Protective circuit

	≤ 1.2 kV (at 5 kA)
	≤ 1.1 kV (at 3 kA)
Residual voltage (L-PE)	≤ 1.5 kV
	≤ 1.3 kV (at 5 kA)
	≤ 1.2 kV (at 3 kA)
Residual voltage (N-PE)	≤ 250 V
	≤ 150 V (at 5 kA)
	≤ 100 V (at 3 kA)
Response time (L-N)	≤ 25 ns
Response time (L-PE)	≤ 100 ns
Response time (N-PE)	≤ 100 ns
Max. backup fuse with branch wiring	125 A (gL/gG)
Short-circuit resistance I _P with max. backup fuse (effective)	25 kA
Follow current quenching capacity If (N-PE)	100 A

Connection, protective circuit

Connection method	Screw connection
Connection type IN	Biconnect screw terminal block
Connection type OUT	Biconnect screw terminal block
Screw thread	M5
Tightening torque	4.5 Nm
Stripping length	16 mm
Conductor cross section stranded min.	1.5 mm ²
Conductor cross section stranded max.	25 mm²
Conductor cross section solid min.	1.5 mm²
Conductor cross section solid max.	35 mm²
Conductor cross section AWG/kcmil min.	15
Conductor cross section AWG/kcmil max	2

Standards and Regulations

Standards/regulations	IEC 61643-1 2005
	EN 61643-11/A11 2007

Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801



Classifications

eCl@ss

eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130805
eCl@ss 7.0	27130805

ETIM

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

UNSPSC

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

Approvals

Approvals	
Approvals	
KEMA-KEUR / ÖVE / GOST / CCA / IECEE CB Scheme	

Approvals submitted

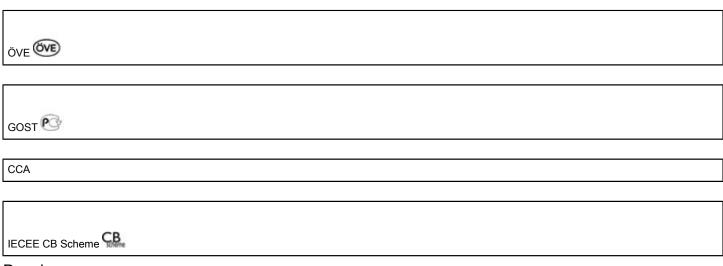
Ex Approvals

Approval details

KEMA-KEUR KEMA

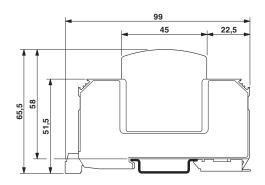


Approvals

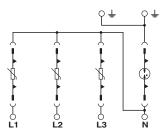


Drawings

Dimensioned drawing



Circuit diagram



The illustration shows the dimensional drawing for a version with remote indicator contact

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