

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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Indoor/outdoor lightning arrester and TVSS system for 277/480 V Wye system

#### Product description

Combination lightning arrester and TVSS for 277/480 V Wye. Components are housed in an IP66/NEMA 4 cabinet and include phase indicator lamps.



#### Key commercial data

Packing unit	1 pc
Custom tariff number	85363090
Country of origin	Germany

### Technical data

#### **Dimensions**

Height	500 mm
Width	400 mm
Depth	210 mm

#### Ambient conditions

Degree of protection	IP66 / NEMA 4
Ambient temperature (operation)	-40 °C 80 °C

#### General

NEMA power supply system	277/480 V Wye
Housing material	Steel
Mounting type	Surface/Wall mounting
Surge protection fault message	Remote indicator contact

#### Protective circuit

IEC test classification	+



## Technical data

#### Protective circuit

EN type	T1
Nominal voltage U <sub>N</sub>	< 277 V
Maximum continuous operating voltage U <sub>C</sub> (L-PE)	440 V AC
Impulse discharge current (10/350) µs charge	25 As
Impulse discharge current (10/350)#µs, peak value l <sub>imp</sub>	50 kA (per mode)
Response time	≤ 25 ns
Follow current quenching capacity If	50 kA

### Connection, protective circuit

Connection method	Screw connection
Conductor cross section stranded min.	16 mm²
Conductor cross section stranded max.	35 mm²
Conductor cross section solid min.	10 mm²
Conductor cross section solid max.	50 mm²
Conductor cross section AWG/kcmil min.	6
Conductor cross section AWG/kcmil max	1

#### Remote indicator contact

Connection method	Screw connection
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
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	16

#### NEMA / UL data

UL type	type 2
Nominal discharge current I <sub>n</sub> (without reference direction)	20 kA
Maximum Surge Current per Phase	50 kA
Short-circuit current rating (SCCR)	50 kA

### Standards and Regulations

Standards/regulations	UL 1449 3 <sup>rd</sup> edition, Sept. 2009
	IEC 60643-1
	EN 61643-11
	CAN/CSA-C22.2 No. 8



## Classifications

### eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27140201
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130805
eCl@ss 7.0	27130805
eCl@ss 8.0	27130805

#### **ETIM**

ETIM 3.0	EC000942
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

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Approvals

ETLus / cETL / cETLus

Ex Approvals

Approvals submitted

## Approval details

ETLus



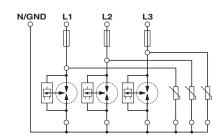
# Approvals

cETLus

cETL

## **Drawings**

### Circuit diagram



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