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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 protection device - SYS N4 480D - 2800707

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Combination lightning arrester and TVSS system for ungrounded 480 V Delta systems

### Product description

Combination lightning arrester and TVSS for 480 V Delta. Components are housed in an IP66/NEMA 4 cabinet.



### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	10.0 GRM
Custom tariff number	85363090

### 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	480 V Delta
Housing material	Steel
Mounting type	Surface/Wall mounting
Surge protection fault message	Remote indicator contact

#### Protective circuit

IEC test classification	I + II
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### Technical data

#### Protective circuit

EN type	T1
Nominal voltage $U_N$	< 480 V
Maximum continuous operating voltage $U_C$ (L-PE)	480 V AC
Impulse discharge current (10/350) $\mu$ s charge	25 As
Impulse discharge current (10/350) $\mu$ s, peak value $I_{imp}$	50 kA (per mode)
Response time	$\leq$ 25 ns
Follow current quenching capacity If	50 kA

#### Connection, protective circuit

Connection method	Screw connection
Conductor cross section stranded min.	16 mm <sup>2</sup>
Conductor cross section stranded max.	35 mm <sup>2</sup>
Conductor cross section solid min.	10 mm <sup>2</sup>
Conductor cross section solid max.	50 mm <sup>2</sup>
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 mm <sup>2</sup>
Conductor cross section stranded max.	1.5 mm <sup>2</sup>
Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	16

#### NEMA / UL data

UL type	type 2
Nominal discharge current $I_n$ (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

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## 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	27130802
eCl@ss 7.0	27130802
eCl@ss 8.0	27130802

### 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

### Approvals

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#### Approvals

ETLus / cETL / cETLus

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

ETLus
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## Approvals

cETL

cETLus

## Drawings

Circuit diagram

