SYS N4/I 277/480Y - Surge protection device

2800708

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

Product description

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

Commercial data

Item number	2800708
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	CL01
Product key	CL1621
GTIN	4046356642941
Weight per piece (including packing)	222.22 g
Weight per piece (excluding packing)	222.22 g
Customs tariff number	85363090
Country of origin	US

Technical data

Product properties

Product type	Surge protection for NEMA power supply units
IEC test classification	I + II
EN type	T1
Type	Housing for surface mounting
Surge protection fault message	Remote indication contact

Electrical properties

Nominal voltage U_N	< 277 V
Fuse	200 kA VSP100, 100 A, 200 kAIC (IR)

General

Power Systems	277/480 V Wye

Connection data

Conductor cross-section flexible min.	16 mm²
Conductor cross-section flexible max.	35 mm²
Conductor cross-section, rigid min.	10 mm²
Conductor cross-section, rigid max.	50 mm²
Connection method	Screw connection
Conductor cross-section flexible min.	0.14 mm²
Conductor cross-section flexible max.	1.5 mm²
Conductor cross-section, rigid min.	0.14 mm²
Conductor cross-section, rigid max.	1.5 mm²

Dimensions

Width	400 mm
Height	500 mm
Depth	210 mm

Material specifications

Housing material	Steel

Protective circuit

Nominal voltage U_N	277/480 V AC (Wye)
Maximum continuous operating voltage U_C (L-L)	600 V AC
Maximum continuous operating voltage U_C (L-PE)	440 V AC
Follow current interrupt rating I_{fi}	50 kA
Response time t_A	≤ 25 ns

Environmental and real-life conditions

Ambient conditions

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

Approvals

UL specifications

Short-circuit current rating (SCCR)	50 kA
UL type	type 2
Nominal discharge current I_n	20 kA
Maximum Surge Current per Phase	50 kA
Nominal voltage	277/480 V AC (Wye)
Power distribution system	Wye

Standards and regulations

Standards

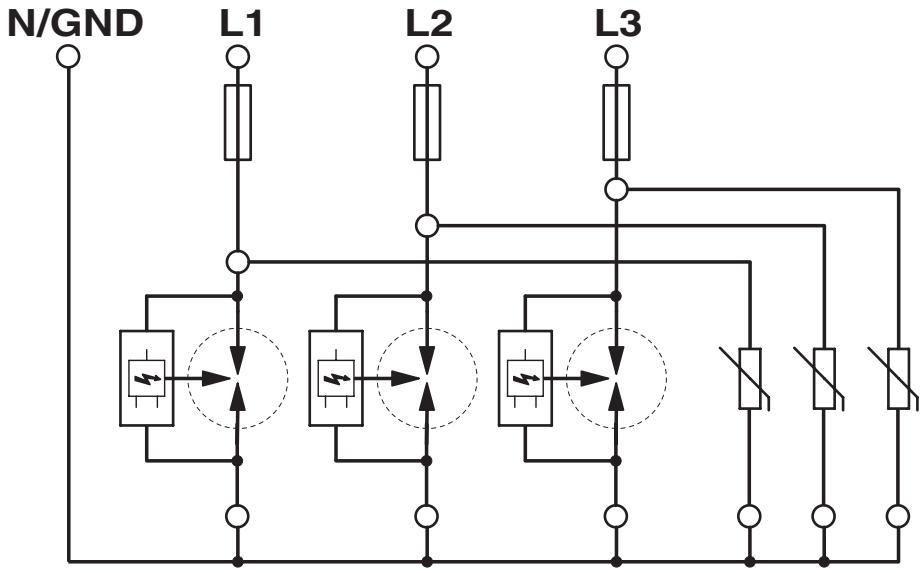
Standards/regulations	ANSI/UL 1449:2014 Ed.4+R:17MAR2016
	IEC 60643-1
	EN 61643-11
	CAN/CSA-C22.2 No. 8:2013 Ed.5

Mounting

Mounting type	Surface/Panel mounting

Drawings

Circuit diagram



Classifications

ECLASS

ECLASS-13.0	27171202

UNSPSC

UNSPSC 21.0	39121620

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Not applicable, Not qualified for the European market

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	4-Nonylphenol, branched and linear(CAS: n/a)
	Lead(CAS: 7439-92-1)

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