

Surge protection device - SYS N4/I 277/480Y - 2800708

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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	I + II
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Technical data

Protective circuit

EN type	T1
Nominal voltage U_N	< 277 V
Maximum continuous operating voltage U_C (L-PE)	440 V AC
Impulse discharge current (10/350) μ s charge	25 As
Impulse discharge current (10/350) μ s, peak value I_{imp}	50 kA (per mode)
Response time	\leq 25 ns
Follow current quenching capacity I_f	50 kA

Connection, protective circuit

Connection method	Screw connection
Conductor cross section stranded min.	16 mm ²
Conductor cross section stranded max.	35 mm ²
Conductor cross section solid min.	10 mm ²
Conductor cross section solid max.	50 mm ²
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 ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
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 rd 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	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

Approvals

Approvals

ETLus / cETL / cETLus

Ex Approvals

Approvals submitted

Approval details

ETLus

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Approvals

cETL

cETLus

Drawings

Circuit diagram

