

Type 2 surge protection replacement module - VAL-SQ SE 160-277/480Y/ FM - 2804089

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Surge protection device for 277/480 V AC Wye configurations typically used as service entry protection. NEMA rated enclosure provides a monitor with surge counter, status LEDs and audible alarm with remote monitor capability. Hybrid Sine Wave Tracking provides 160 kA surge protection.

Product Description

Surge protection device for service entrance protection of 277/480 V AC systems with 160 kA protection

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	8,731.000 g
Custom tariff number	85363010
Country of origin	United States

Technical data

Dimensions

Height	99 mm
Width	381 mm
Depth	356 mm

Ambient conditions

Degree of protection	IP40 / NEMA 1
Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	3658 m

General

NEMA power supply system	277/480 V Wye
Housing material	Metal
Mounting type	Wall mounting
Type	Parallel MOV
Surge protection fault message	Phase LEDs

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Technical data

General

	Audible alarm
	Remote indication contact
Direction of action	3L-N & N-GND

Protective circuit

IEC test classification	I
Maximum continuous operating voltage U_c	320 V
Response time t_A	< 1 ns

Connection, protective circuit

Connection method	Screw terminal blocks
Tightening torque	4 Nm
Conductor cross section AWG min.	10
Conductor cross section AWG max.	2

Remote indication contact

Connection method	Screw connection
Conductor cross section AWG min.	22
Conductor cross section AWG max.	14

Standards and Regulations

Standards/regulations	UL 1449 2 nd edition, February 2007
	UL 1283
	IEEE C62.41
	IEEE C62.45

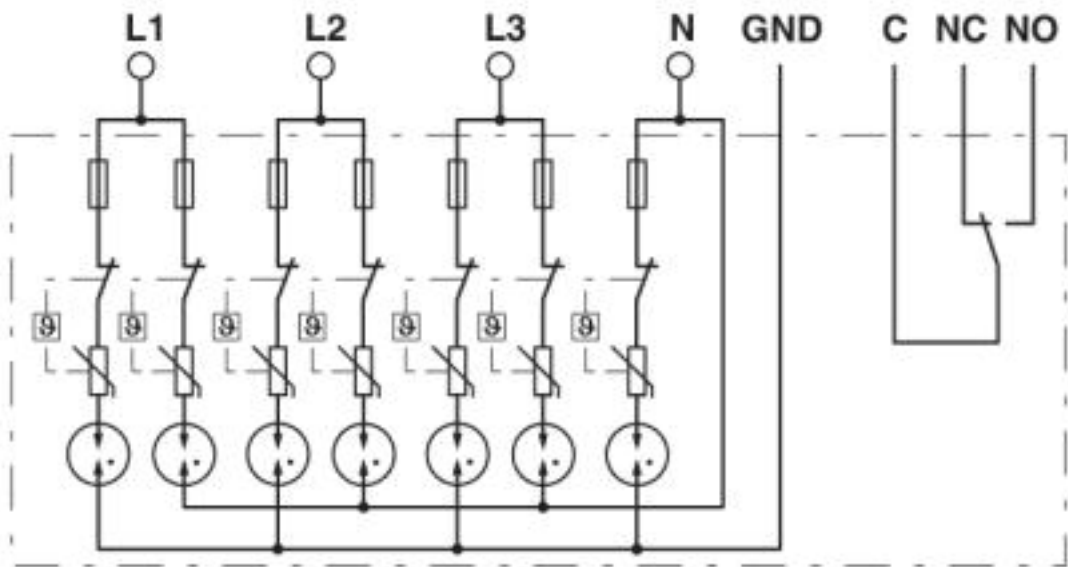
NEMA / UL data

UL type	type 1
Maximum Surge Current per Phase	160 kA
Short-circuit current rating (SCCR)	200 kA

Drawings

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Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27140201
eCl@ss 5.0	27140201
eCl@ss 5.1	27140201
eCl@ss 6.0	27140201
eCl@ss 8.0	27130802
eCl@ss 9.0	27130802

ETIM

ETIM 2.0	EC000381
ETIM 3.0	EC000381
ETIM 4.0	EC000381
ETIM 5.0	EC000381

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610



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Classifications

UNSPSC

UNSPSC 13.2	39121620
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