

# Type 2 surge protection replacement module - VAL-SQ SE 200-120/208Y/ FM - 2803933

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Surge protection device for 120/208 V AC Wye configurations. Uses a compact, NEMA rated enclosure that connects easily to an existing enclosure. Hybrid Sine Wave Tracking provides 200 kA surge protection.

## Product Description

Surge protection device for service entrance protection of 120/208 V AC systems with 200 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	120/208 V AC 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 $U_c$	150 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 <sup>nd</sup> edition, February 2007
	UL 1283
	IEEE C62.41
	IEEE C62.45

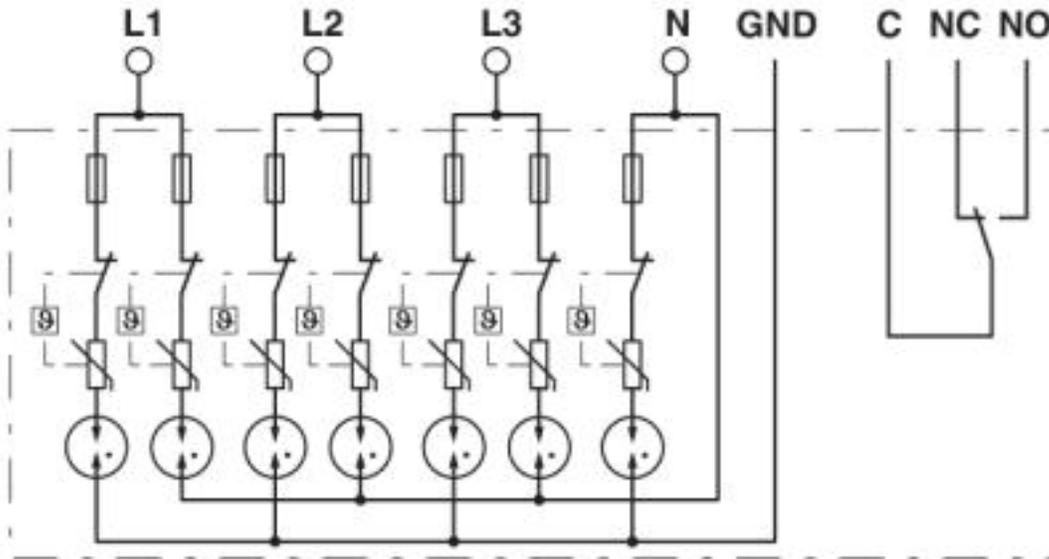
### NEMA / UL data

UL type	type 1
Maximum Surge Current per Phase	200 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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