

# Type 2 surge protection replacement module - VAL-SQ SE 300-120/208Y / TS - 2800375

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Surge protection device for 120/208 V AC Wye configurations typically used as service entry protection. Protects across all phases and directions. NEMA rated enclosure provides a monitor with surge counter, status LEDs and audible alarm with remote monitor capability. Hybrid Sine Wave Tracking provides 360 kA surge protection.

## Product Description

Surge protection device for service entrance protection of 120/208 V AC and 127/220 V AC Wye systems with 300 kA protection. Protects across all phases in all directions.

## Product Features

- Optional disconnect switch
- UL 1449, 3rd edition, September 2009
- Optional 10-mode protection for sensitive electronics
- Filter for sine wave tracking



## Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	19080.0 g
Custom tariff number	85363090
Country of origin	United States

## Technical data

### Note

Trade restriction	The products are offered exclusively for export outside the EU and the European Economic Area.
-------------------	--

### Dimensions

Width	411 mm
Depth	550 mm

### Ambient conditions

# Type 2 surge protection replacement module - VAL-SQ SE 300-120/208Y / TS - 2800375

## Technical data

### Ambient conditions

Degree of protection	NEMA 3R/12
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-20 °C ... 65 °C
Altitude	3658 m
Permissible humidity (operation)	0 % ... 95 %

### General

IEC power supply system	TN-S
	TT
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
	Audible alarm
	Remote indicator contact
Direction of action	3L-N & 3L-L & N-GND

### Protective circuit

Maximum continuous operating voltage $U_c$	150 V
Response time $t_A$	< 1 ns

### Connection, protective circuit

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

### Remote indicator contact

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

### NEMA / UL data

UL type	type 2
Maximum Continuous Operating Voltage (MCOV without reference direction)	150 V
Voltage protection rating VPR (L-L)	1000 V

# Type 2 surge protection replacement module - VAL-SQ SE 300-120/208Y / TS - 2800375

## Technical data

### NEMA / UL data

Voltage protection rating VPR (L-N)	700 V
Voltage protection rating (VPR L-PE)	700 V
Voltage protection rating (VPR N-PE)	600 V
Nominal discharge current $I_n$ (without reference direction)	20 kA
Maximum Surge Current per Phase	300 kA
Short-circuit current rating (SCCR)	200 kA
EMI/RFI filtering	-30 dB @ 100 kHz

### Standards and Regulations

Standards/regulations	UL 1449 3 <sup>rd</sup> edition, Sept. 2009
	UL 1283
	IEEE C62.41
	IEEE C62.45

## 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	27130805

### ETIM

ETIM 3.0	EC000942
ETIM 4.0	EC001473
ETIM 5.0	EC000941

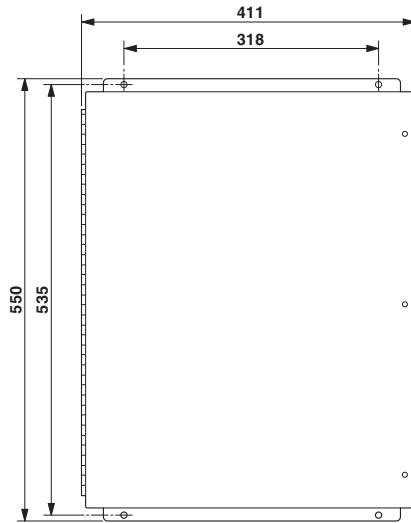
### UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

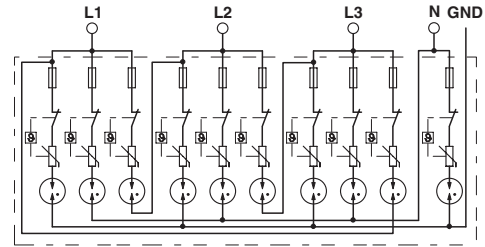
# Type 2 surge protection replacement module - VAL-SQ SE 300-120/208Y / TS - 2800375

## Drawings

Dimensional drawing



Circuit diagram



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[2800375](#)