

# Type 2 surge protection replacement module - VAL-SQ SP 80-347/600Y/FM - 2804102

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Surge protection device for 347/600 V AC Wye configurations. Uses a compact, NEMA rated enclosure that connects easily to an existing enclosure. Hybrid Sine Wave Tracking provides 80 kA surge protection.



## Product Description

Surge protection device for 347/600 V AC Wye configurations with 80 kA protection

## Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 317221
GTIN	4046356317221

## Technical data

### Dimensions

Height	79 mm
Width	250 mm
Depth	122 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	347/600 V Wye
Mounting type	3/4 inch NPT male
Type	Parallel hybrid
Surge protection fault message	Phase LEDs
	Audible alarm
	Remote indication contact
Direction of action	3L-N & N-GND

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## Technical data

### Protective circuit

IEC test classification	I
Maximum continuous operating voltage $U_c$	420 V
Response time $t_A$	< 1 ns

### Connection, protective circuit

Connection method	#10 AWG/5.26 mm <sup>2</sup> wires (24 in./61 cm long)
Connection technology	4-wire + Gnd
Conductor cross section AWG min.	10
Conductor cross section AWG max.	10

### Remote indication contact

Connection method	#24 AWG/0.205 mm <sup>2</sup> wires (24 in./61 cm long)
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### Standards and Regulations

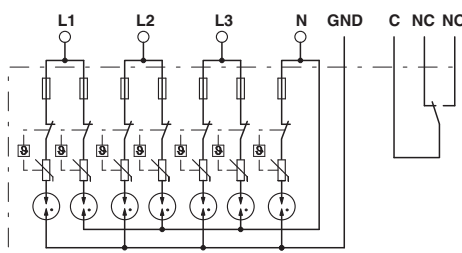
Standards/regulations	UL 1449 2 <sup>nd</sup> edition, February 2007
	UL 1283
	IEEE C62.41
	IEEE C62.45

### NEMA / UL data

UL type	type 2
Maximum Surge Current per Phase	80 kA
Short-circuit current rating (SCCR)	22 kA
Maximum Circuit Breaker	30 A

## Drawings

Circuit diagram



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