

Type 2 surge protection replacement module - VAL-SQ SP 80-120/240S/ FM - 2804000

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Surge protection device for 120/240 V AC split/single phase 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 120/240 V AC single/split phase configurations with 80 kA protection

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	3,040.000 g
Custom tariff number	85363010
Country of origin	United States

Technical data

Dimensions

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	120/240 V Single/Split Phase
Mounting type	3/4 inch NPT male
Type	Parallel hybrid
Surge protection fault message	Phase LEDs
	Audible alarm
	Remote indication contact

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Technical data

General

Direction of action	3L-N & N-GND
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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	#10 AWG/5.26 mm ² wires (24 in./61 cm long)
Connection technology	3-wire + Gnd
Conductor cross section AWG min.	10
Conductor cross section AWG max.	10

Remote indication contact

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

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

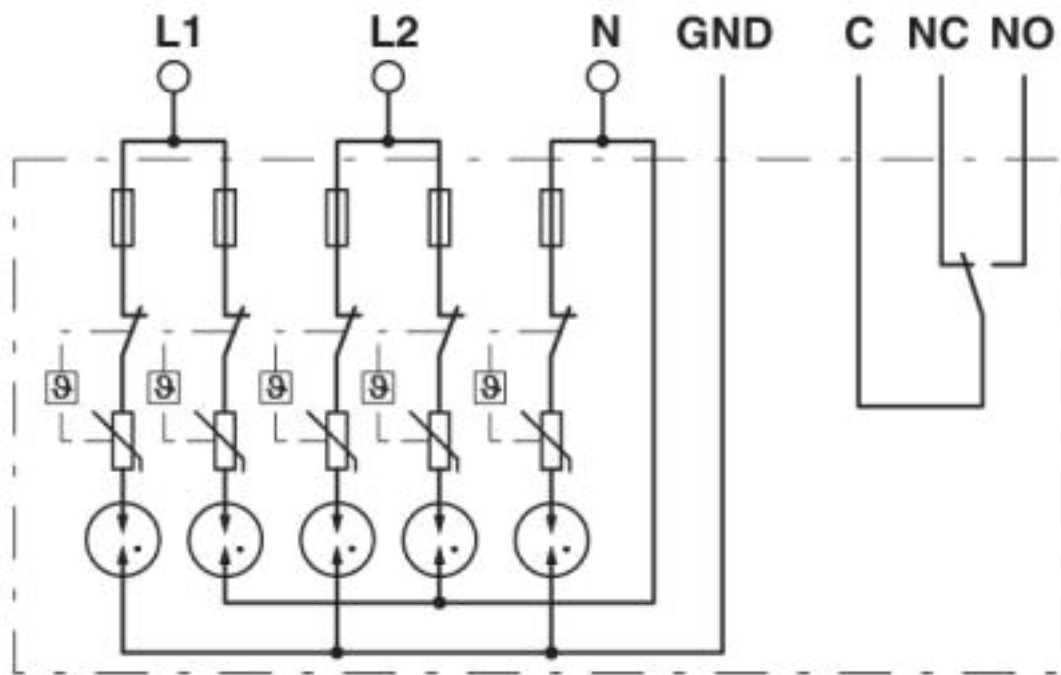
NEMA / UL data

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

Drawings

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Circuit diagram



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	27130805
eCl@ss 8.0	27130805
eCl@ss 9.0	27130805

ETIM

ETIM 2.0	EC000941
ETIM 3.0	EC000941
ETIM 4.0	EC000941
ETIM 5.0	EC000941

UNSPSC

UNSPSC 6.01	30212010
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Classifications

UNSPSC

UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620