

VAL-SQ SP 80-120/240S/FM

Order No.: 2804000

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2804000>

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.

Commercial data	
EAN	4046356317122
Pack	1 pcs.
Customs tariff	85363030
Weight/Piece	2.883 KG

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Product description

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

Technical data

Standards	
Degree of protection	IP40 / NEMA 1
Mounting type	3/4 inch NPT male
Design	Parallel hybrid
Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	3658 m

Message surge protection faulty	Phase LEDs
	Audible alarm
	Remote indicator contact
Direction of action	3L-N & N-GND
Width	250.00 mm
Height	122.00 mm
Length	79.00 mm

Protective circuit

IEC category	I
Arrester rated voltage U_c	150 V
Response time	< 1 ns

Connection, protective circuit

Type of connection	#10 AWG/5.26 mm ² wires (24 in./61 cm long)
Connection method	3-wire + Gnd
Conductor cross section AWG/kcmil min.	10
Conductor cross section AWG/kcmil max	10

Remote indicator contact

Type of connection	#24 AWG/0.205 mm ² wires (24 in./61 cm long)
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Environmental conditions

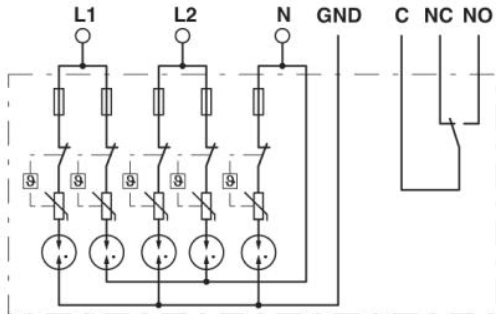
Standards/regulations	UL 1449 2 nd edition, February 2007
	UL 1283
	IEEE C62.41
	IEEE C62.45

NEMA / UL data

NEMA / UL data	type 2
short circuit current rating (SCCR)	22 kA
UL type	type 2
Voltage (L-L)	800 V
Voltage (N-G)	400 V
Voltage (L-G)	500 V
Voltage (L-N)	400 V
Maximum Circuit Breaker	30 A
Maximum Surge Current per Phase	80 kA

Drawings

Circuit diagram



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