

VAL-SQ SE 160-120/240HLD/FM


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Surge protection device for 120/240 V High-Leg Delta configurations typically used as service entry protection. NEMA rated enclosure provides a monitor with surge counter, status LEDs and audible alarm with remote monitor capability. Hybrid Sine Wave Tracking provides 160 kA surge protection.

Commercial data	
GTIN (EAN)	 4 046356 317092
Note	Made-to-order
sales group	J101
Pack	1 pcs.
Customs tariff	85363030
Catalog page information	Page 69 (TT-2009)

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Product description

Surge protection device for 120/240 V AC High-Leg Delta configurations with 160 kA protection

Technical data

Standards	
Housing material	Metal
Degree of protection	IP40 / NEMA 1
Mounting type	Wall mounting

Design	Parallel MOV
Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	3658 m
Message: Surge protection fault	Phase LEDs
	Audible alarm
	Remote indicator contact
Direction of action	3L-N & N-GND
Width	381.00 mm
Height	356.00 mm
Length	99.00 mm

Protective circuit

IEC category	I
Arrester rated voltage U_c	320 V
	150 V
Response time	< 1 ns

Connection, protective circuit

Type of connection	Screw terminal blocks
Tightening torque	4 Nm
Conductor cross section AWG/kcmil min.	10
Conductor cross section AWG/kcmil max	2

Remote indicator contact

Type of connection	Screw connection
Conductor cross section AWG/kcmil min.	22
Conductor cross section AWG/kcmil max	14

Environmental conditions

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

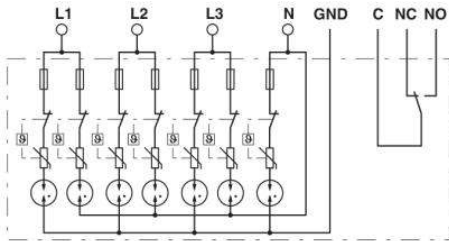
NEMA / UL data

UL type	type 1
Maximum Surge Current per Phase	160 kA

Short-circuit current rating (SCCR)	200 kA
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Diagrams/Drawings

Circuit diagram



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