

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Phoenix Contact](#)
[2800391](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



Extract from the online
catalog

VAL-SQ SE 400-120/240HLD /D

Order No.: 2800391



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2800391>

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 400 kA surge protection.

Commercial data

GTIN (EAN)	 4 046356 564748
Note	Made-to-order
sales group	J101
Pack	1 pcs.
Customs tariff	85363090
Catalog page information	Page 74 (TT-2011)

Product notes

WEEE/RoHS-compliant since:
02/21/2010



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Product description

Surge protection device for 120/240 V AC High-Leg Delta configurations with 400 kA protection

VAL-SQ SE 400-120/240HLD /D Order No.: 2800391
<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2800391>

Technical data

Standards

Housing material	Metal
Degree of protection	NEMA 3R/12
Mounting type	Wall mounting
Design	Parallel MOV
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-20 °C ... 65 °C
Permissible humidity (operation)	0 % ... 95 %
Altitude	3658 m
Message: Surge protection fault	Phase LEDs
	Audible alarm
	Remote indicator contact
Direction of action	3L-N & N-GND
Width	519.00 mm
Height	664.00 mm

Protective circuit

Arrester rated voltage U_c	150 V
Response time	< 1 ns

Connection, protective circuit

Connection method	Screw terminal blocks
	4-wire + Gnd
Tightening torque	4 Nm
Conductor cross section AWG/kcmil min.	12
Conductor cross section AWG/kcmil max	2

Remote indicator contact

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

NEMA / UL data

UL type	type 2
Maximum Continuous Operating Voltage (MCOV without reference direction)	150 V

VAL-SQ SE 400-120/240HLD /D Order No.: 2800391

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2800391>

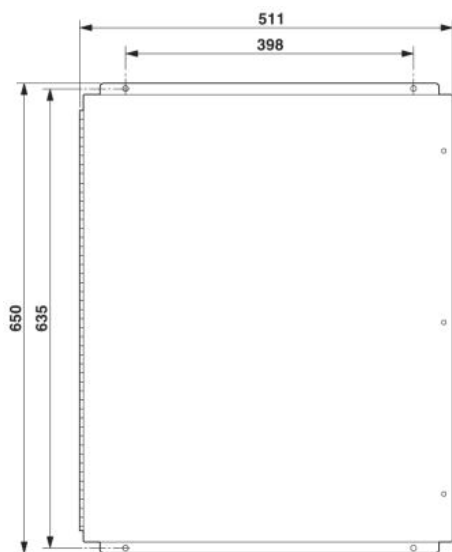
Voltage protection rating (VPR L-L)	1500 V
Voltage protection rating (VPR HL-L)	300 V
Voltage protection rating (VPR L-N)	700 V
Voltage protection rating (VPR HL-N)	150 V
Voltage protection rating (VPR L-PE)	1200 V
Voltage protection rating (VPR HL-PE)	150 V
Voltage protection rating (VPR L-PEN)	700 V
Nominal discharge current I_n (without reference direction)	20 kA
Maximum Surge Current per Phase	400 kA
Short-circuit current rating (SCCR)	200 kA
EMI/RFI filtering	-30 dB @ 100 kHz

Environmental conditions

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

Diagrams/Drawings

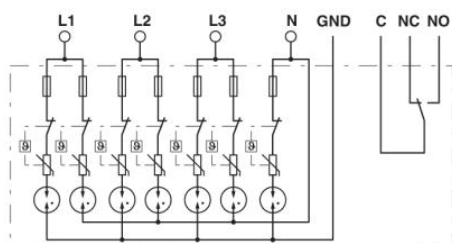
Dimensioned drawing



VAL-SQ SE 400-120/240HLD /D Order No.: 2800391

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2800391>

Circuit diagram



VAL-SQ SE 400-120/240HLD /D Order No.: 2800391

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2800391>

Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



© 2011 Phoenix Contact
Technical modifications reserved;