



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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VAL-SQ SP 100-120/208Y

Order No.: 2800461

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2800461>

Surge protection device for 120/208 V AC Wye configurations.
Uses a compact, NEMA rated enclosure that connects easily to an
existing enclosure. Hybrid Sine Wave Tracking provides 100 kA surge
protection.

Commercial data

GTIN (EAN)	 4 046356 564953
Note	Made-to-order
sales group	J102
Pack	1 pcs.
Customs tariff	85363090
Catalog page information	Page 76 (TT-2011)

Product notes

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



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

Product description

Surge protective device for 120/208 V AC and 127/220 V AC Wye systems with 100 kA protection

Technical data

Standards

Degree of protection	NEMA 4X
Mounting type	3/4 inch NPT male
Design	Parallel hybrid
Ambient temperature (operation)	-40 °C ... 71 °C
Ambient temperature (storage/transport)	-40 °C ... 65 °C
Altitude	3658 m
Message: Surge protection fault	Phase LEDs
	Audible alarm
	Remote indicator contact
Direction of action	3L-N & N-GND
Width	250.00 mm
Height	122.00 mm

Protective circuit

Arrester rated voltage U_c	150 V
Response time	< 1 ns

Connection, protective circuit

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

Remote indicator contact

Connection method	#24 AWG/0.205 mm ² wires (24 in./61 cm long)
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NEMA / UL data

UL type	type 2
Maximum Continuous Operating Voltage (MCOV without reference direction)	150 V
Voltage protection rating (VPR L-L)	1500 V
Voltage protection rating (VPR L-N)	900 V
Voltage protection rating (VPR L-PE)	1200 V
Voltage protection rating (VPR N-PE)	700 V

Nominal discharge current I_n (without reference direction)	20 kA
Maximum Surge Current per Phase	100 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

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