

VAL-SQ SP 100-277/480Y - Type 2 surge protection device

2800465
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Surge protection device for 277/480 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

Item number	2800465
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	CL1612
Catalog page	Page 77 (TT-2011)
GTIN	4046356564991
Weight per piece (including packing)	2,223 g
Weight per piece (excluding packing)	2,223 g
Customs tariff number	85363090
Country of origin	US

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Technical data

Product properties

IEC power supply system	TN-S
	TT
Type	Parallel hybrid
Surge protection fault message	Phase LEDs
	Audible alarm
	Remote indication contact

Electrical properties

General

Power Systems	277/480 V Wye
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Connection data

Connection method	#10 AWG/5.26 mm ² wires (24 in./61 cm long)
Connection method	#24 AWG/0.205 mm ² wires (24 in./61 cm long)

Dimensions

Width	250 mm
Depth	122 mm

Cable/line

Cable length	61.00 cm
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Protective circuit

Direction of action	3L-N & N-GND
Maximum continuous voltage U_C	320 V
Response time t_A	< 1 ns

Environmental and real-life conditions

Ambient conditions

Degree of protection	NEMA 4X
Ambient temperature (operation)	-40 °C ... 71 °C
Altitude	3658 m

Approvals

UL specifications

Maximum continuous operating voltage MCOV	320 V
Short-circuit current rating (SCCR)	200 kA
Voltage protection rating VPR (L-L)	2500 V
Voltage protection rating VPR (L-N)	1200 V
Voltage protection rating (VPR L-PE)	1200 V

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Voltage protection rating (VPR N-PE)	1000 V
UL type	type 2
Nominal discharge current I_n	20 kA
Maximum Surge Current per Phase	100 kA
EMI/RFI filtering	-30 dB

Standards and regulations

Standards

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

Mounting

Mounting type	3/4 inch NPT male
Mounting position	any

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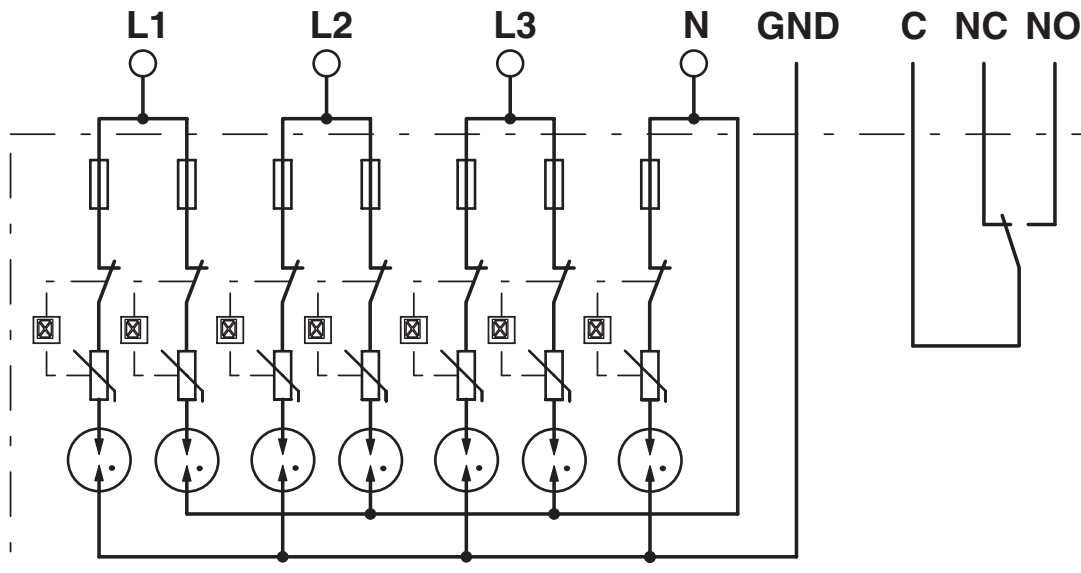


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Drawings

Circuit diagram



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