

Type 2 surge protection device - VAL-SQ SP 100-120/208Y - 2800461

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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.

Product Description


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

Your advantages

- ✓ Floating contacts enable connection to a remote monitoring system
- ✓ Sine wave tracking enabling noise attenuation of up to -30 dB
- ✓ Each arrester path has separate fuse protection
- ✓ UL 1449, 3rd edition, September 2009
- ✓ LEDs consistently monitor the status of each individual phase



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 564953
GTIN	4046356564953

Technical data

Note

Trade restriction	The products are offered exclusively for export outside the EU and the European Economic Area.
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Dimensions

Width	250 mm
Depth	122 mm

Ambient conditions

Degree of protection	NEMA 4X
Ambient temperature (operation)	-40 °C ... 71 °C
Ambient temperature (storage/transport)	-40 °C ... 65 °C

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Ambient conditions

Altitude	3658 m
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General

IEC power supply system	TN-S
	TT
NEMA power supply system	120/208 V AC Wye
Mounting type	3/4 inch NPT male
Type	Parallel hybrid
Surge protection fault message	Phase LEDs
	Audible alarm
	Remote indication contact
Direction of action	3L-N & N-GND

Protective circuit

Maximum continuous operating voltage U_C	150 V
Response time t_A	< 1 ns

Connection, protective circuit

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

Remote indication 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

Standards and Regulations

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

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Standards and Regulations

	IEEE C62.45
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