

Surge protection device - VAL-SQ NP 120-2-A 32 - 2800371

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120/240 V AC single phase surge protection for use in NEMA-style 1" pitch load centers, plug and base assembly

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 841023
GTIN	4046356841023
Weight per Piece (excluding packing)	400.000 g
Country of origin	United States

Technical data

Note

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

Degree of protection	IP20/NEMA 1
Ambient temperature (operation)	-55 °C ... 70 °C
Ambient temperature (storage/transport)	-55 °C ... 85 °C
Altitude	3658 m (Above sea level)

General

NEMA power supply system	120/240 V Single/Split Phase
Housing material	Non-metallic
Mounting type	Within a load center with 1" spacing
Type	Over-current and thermally-fused MOV technology

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Technical data

General

Surge protection fault message	LEDs
For country-specific use in	US

Protective circuit

Maximum continuous operating voltage U_C	120 V AC
Maximum continuous operating voltage U_C (L-N)	175 V
Nominal frequency f_N	50x 60 Hz
Rated load current I_L	32 kA

NEMA / UL data

UL type	type 1
Maximum continuous operating voltage MCOV (L-L)	350 V
Maximum continuous operating voltage MCOV (L-N)	175 V
Voltage protection rating VPR (L-L)	1200 V AC
Voltage protection rating VPR (L-N)	800 V AC
Nominal discharge current I_n (without reference direction)	10 kA
Maximum Surge Current per Phase	32 kA
Short-circuit current rating (SCCR)	10 kA

Standards and Regulations

Standards/regulations	UL 1449 3 rd edition
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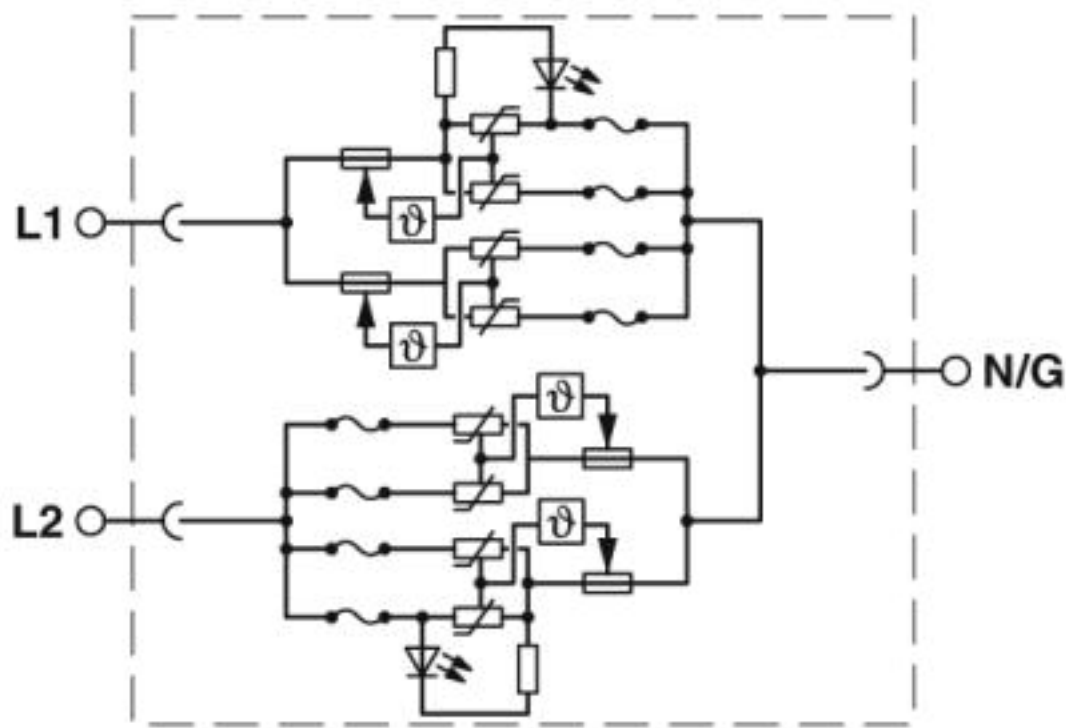
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

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Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27130805
eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130800
eCl@ss 6.0	27130800
eCl@ss 7.0	27149238
eCl@ss 8.0	27130805
eCl@ss 9.0	27130805

ETIM

ETIM 3.0	EC000942
ETIM 4.0	EC002496
ETIM 5.0	EC000941
ETIM 6.0	EC000941
ETIM 7.0	EC000941

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Classifications

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620
UNSPSC 18.0	39121620
UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

Approvals

Approvals

Approvals

UL Classified

Ex Approvals

Approval details

UL Classified		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 358857
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