

Type 2 surge protection replacement module - VAL-SQ SI 40-2S-120 - 2800005

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Surge protection device for 2-phase, 120 V applications with separate Gnd-N. Provides 40 kA protection per phase. Compact, NEMA 4X enclosure installs in limited space.

Product Description

40 kA Type 2 surge protective device for systems up to 120 V with separate GND-N

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	750.000 g
Custom tariff number	85363010
Country of origin	United States

Technical data

Dimensions

Height	91.4 mm
Width	76.2 mm
Depth	69.3 mm

Ambient conditions

Degree of protection	IP66 / NEMA 4X
Ambient temperature (operation)	-40 °C ... 70 °C
Altitude	3658 m

General

IEC power supply system	TN-S
NEMA power supply system	2-phase, 120 V with separate Gnd-N
Housing material	Non-metallic
Mounting type	1/2" NPT male
Type	MOV
Surge protection fault message	optical

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Technical data

Protective circuit

IEC test classification	I
Maximum continuous operating voltage U_c	120 V

Connection, protective circuit

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

Standards/regulations	UL 1449 2 nd edition, February 2007
	UL 1283
	IEEE C62.41
	IEEE C62.45

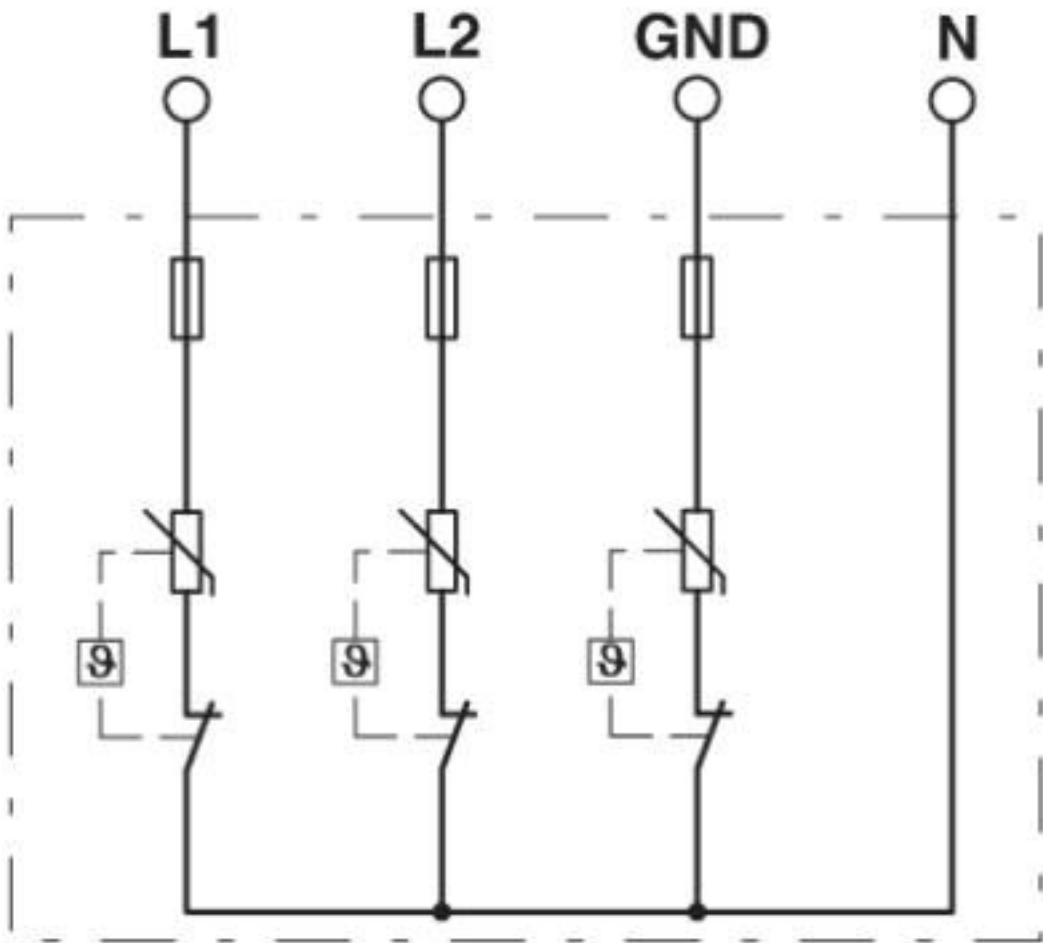
NEMA / UL data

UL type	type 2
Maximum Surge Current per Phase	40 kA
Short-circuit current rating (SCCR)	25 kA

Drawings

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Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130806

ETIM

ETIM 2.0	EC000942
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Classifications

ETIM

ETIM 3.0	EC000942
ETIM 4.0	EC000942
ETIM 5.0	EC000942

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620