

Type 2 surge protection replacement module - VAL-SQ SE 160-120/240S/ FM - 2804034

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Surge protection device for 120/240 V single/split phase configurations typically used as service entry protection. NEMA rated enclosure provides a monitor with surge counter, status LEDs and audible alarm with remote monitor capability. Hybrid Sine Wave Tracking provides 160 kA surge protection.

Product Description

Surge protection device for 120/240 V AC single/split phase configurations with 160 kA protection

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	8,731.000 g
Custom tariff number	85363010
Country of origin	United States

Technical data

Dimensions

Height	99 mm
Width	381 mm
Depth	356 mm

Ambient conditions

Degree of protection	IP40 / NEMA 1
Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	3658 m

General

NEMA power supply system	120/240 V Single/Split Phase
Housing material	Metal
Mounting type	Wall mounting
Type	Parallel MOV
Surge protection fault message	Phase LEDs

Type 2 surge protection replacement module - VAL-SQ SE 160-120/240S/ FM - 2804034

Technical data

General

	Audible alarm
	Remote indication contact
Direction of action	3L-N & N-GND

Protective circuit

IEC test classification	I
Maximum continuous operating voltage U_c	150 V
Response time t_A	< 1 ns

Connection, protective circuit

Connection method	Screw terminal blocks
Connection technology	3-wire + Gnd
Tightening torque	4 Nm
Conductor cross section AWG min.	10
Conductor cross section AWG max.	2

Remote indication contact

Connection method	Screw connection
Conductor cross section AWG min.	22
Conductor cross section AWG max.	14

Standards and Regulations

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

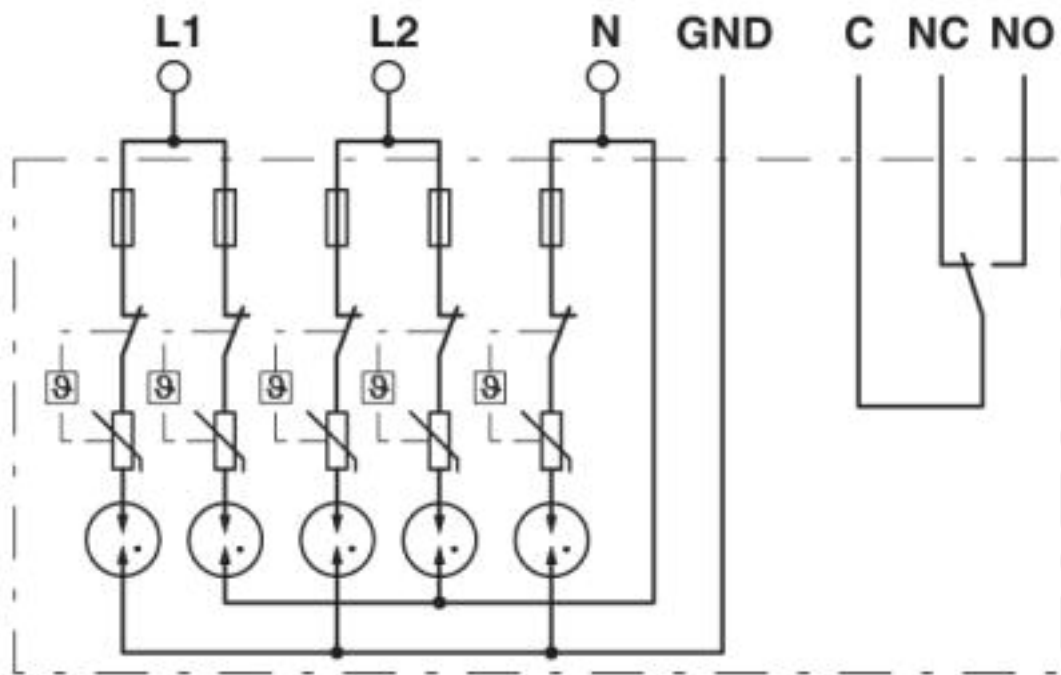
NEMA / UL data

UL type	type 1
Maximum Surge Current per Phase	160 kA
Short-circuit current rating (SCCR)	200 kA

Drawings

Type 2 surge protection replacement module - VAL-SQ SE 160-120/240S/
FM - 2804034

Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27140201
eCl@ss 5.0	27140201
eCl@ss 5.1	27140201
eCl@ss 6.0	27140201
eCl@ss 8.0	27130802
eCl@ss 9.0	27130802

ETIM

ETIM 2.0	EC000381
ETIM 3.0	EC000381
ETIM 4.0	EC000381
ETIM 5.0	EC000381

UNSPSC

UNSPSC 6.01	30212010
-------------	----------

Type 2 surge protection replacement module - VAL-SQ SE 160-120/240S/ FM - 2804034

Classifications

UNSPSC

UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620