

SurgePOD™ PRO UL Listed Type 1 surge protective devices



Features:

- These SPDs are easily selected and installed on the loadside or lineside of the service entrance overcurrent protective device
- Voltage specific models precisely match and protect electrical systems and equipment better than "one-size-fits-all" SPDs
- Thermal disconnect technology eliminates the need for additional fusing
- Compact UV resistant NEMA® 4X enclosure for indoor or outdoor installation
- easyID™ LED status indicator provides surge protection status at a glance
- Two year warranty

Specifications:

Ratings

- See ratings and specifications tables on page 2

Agency information

- UL® Listed Type 1 1449 4th Edition
- CSA (120-480 V)
- RoHS compliant

Catalog symbols:

- SPP40SP_

Description:

Bussmann™ series SurgePOD™ PRO Type 1 surge protective devices are suitable for installation on both the loadside or lineside of the service entrance overcurrent protective device.

SurgePOD PRO SPDs are available in popular voltage and system specific versions to match common residential and light commercial electrical system and equipment requirements. They deliver superior surge protection using MOV thermal disconnect technology that eliminates the need for additional overcurrent protection.

Parallel connection to the electrical system permits the SurgePOD PRO SPD to be installed on panels of any amp rating.

Catalog numbers	Volts AC	System type
SPP40SP1120SN	120	Single-phase
SPP40SP2240PN	240	Split-phase
SPP40SP3240DLG	240	3-phase Delta
SPP40SP3480DLG	480	
SPP40SP3208WYG	208	3-phase Wye
SPP40SP3480WYG	480	
SPP40SP3600WYG	600	

SurgePOD PRO ratings and specifications:

Voltages and system types

Catalog number	Nominal system voltage (Vac)	Max. Continuous Operating Voltage AC (MCOV) (V _c)	System type	Connection points
SPP40SP1120SN	120	150	Single-phase 2 wire	2
SPP40SP2240PN	120/240	150	Split-phase 3 wire	3
SPP40SP3240DLG	240	320	Three-phase Delta 3 wire + G	4
SPP40SP3480DLG	480	550	Three-phase Delta 3 wire + G	4
SPP40SP3208WYG	208	150	Three-phase Wye 3 wire + G	4
SPP40SP3480WYG	480	320	Three-phase Wye 3 wire + G	4

Specifications

For all SurgePOD PRO units	Values
Short Circuit Current Rating (SCCR)	200 kA
Discharge current (8x20μs)	Nominal I _n 10 kA Maximum I _{max} 40 kA
Response time (ns) t _A	<25ns
Frequency	50/60 Hz
Operating state/fault indication	Bi-color LED - green (good) / red (replace)
Conductor length/gauge	18 inches, 10 AWG stranded tinned copper
Mounting	Chase nipple / bracket*
Enclosure/flammability ratings	NEMA 4X - UL 94-5VA
Degree of protection (installed state)	IP20 (finger-safe)
SPD install location	Indoor/outdoor
Circuit location	Lineside or loadside of service entrance overcurrent protective device
Standard	UL Type 1 1449 4 th Edition
Agency information	UL Listed, CSA Certified**, RoHS compliant
Warranty	2 Years†
Operating temperature range	-40°C to +65°C
Maximum operating altitude	12000 ft.

* Customer-supplied bracket.

** 600 V Wye version not CSA Certified.

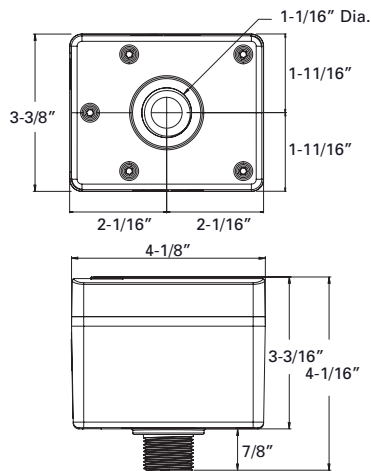
† See Bussmann series SPD limited warranty statement (3A1502) for details at www.cooperbussmann.com/Surge.

Voltage Protection Ratings (VPRs)

Catalog number	Nominal system voltage (Vac)	MCOV (VC) (Vac)	Voltage Protection Ratings (VPRs)		
			L-N	L-L	L-G
SPP40SP1120SN	120	150	700	—	—
SPP40SP2240PN	120V/240	150	700	1200	—
SPP40SP3240DLG	240	320	—	2500	1200
SPP40SP3480DLG	480	550	—	3000	1800
SPP40SP3208WYG	208	150	—	1200	700
SPP40SP3480WYG	480	320	—	2500	1200
SPP40SP3600WYG*	600	420	—	2500	1500

* Not CSA Certified.

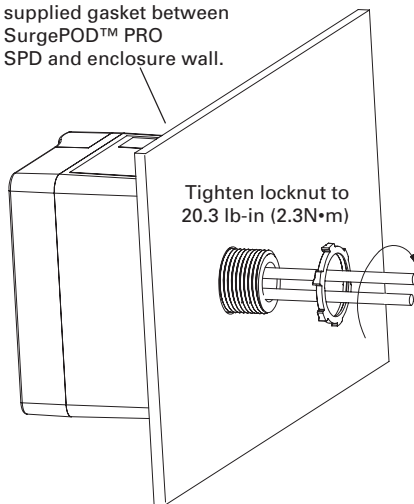
Dimensions — in



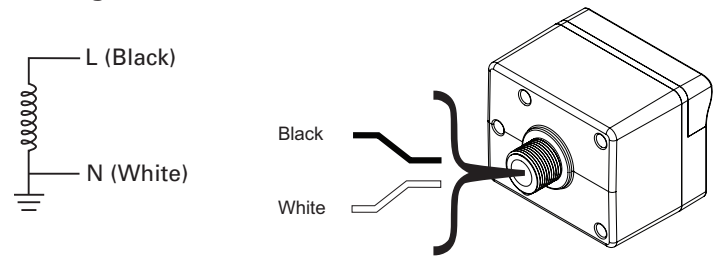
Mounting

SurgePOD PRO is a panel mount device. It may also be mounted using a customer supplied bracket or directly onto a female threaded conduit fitting.

For NEMA 4X installation, install appropriate, customer-supplied gasket between SurgePOD™ PRO SPD and enclosure wall.



Wiring connections

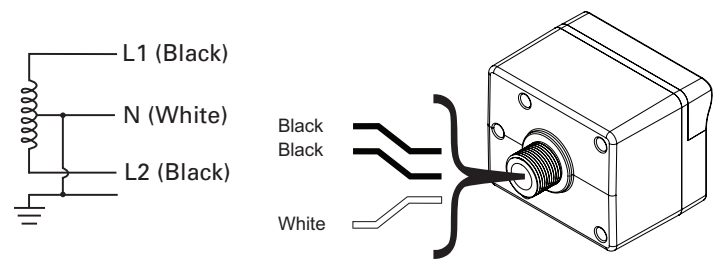


Single-phase

120 V (L-N) 2 Wire

Must be installed within 10 feet (3 m) of a bonded neutral-ground connection per IEEE C62.41-1991.

Catalog number: SPP40SP1120SN

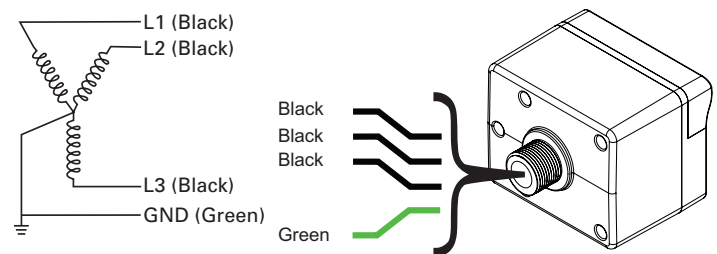


Two-pole with Neutral (split-phase)

120 V (L-N) / 240 V (L1-L2), single-phase (split) center tap

For installations at or less than 10 feet (3 m) from the transformer.

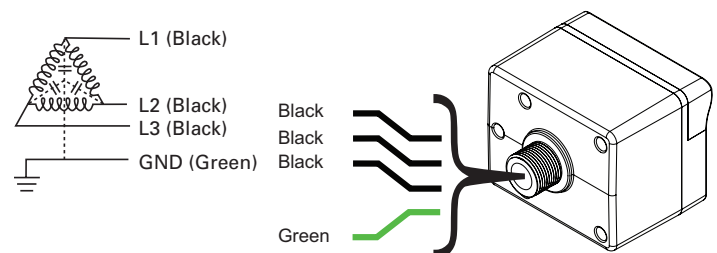
Catalog number: SPP40SP2240PN



Wye + Ground

208, 480 V (L-L) 3 wire Wye + Ground

Catalog numbers: SPP40SP3208WYG, SPP40SP3480WYG, SPP40SP3600WYG



Delta + Ground

240, 480 V (L-L) 3 wire Delta + Ground

Catalog numbers: SPP40SP3240DLG, SPP40SP3480DLG

easyID LED status indicator

The *easyID* LED status indicator will illuminate when the unit is properly installed and the system or equipment being protected is energized. The following LED color/status indicates:



GREEN LED = Good

- The circuit is energized and protected.



RED LED = Replace

- The circuit is energized and unprotected.
- The unit needs replacing.



LED is Out / Unlit:

- The circuit is most likely de-energized
- The unit's leads are disconnected
- The unit is damaged

Authorized personnel should follow all prescribed lockout/tagout and safety procedures in troubleshooting the cause for the above conditions. Opening SurgePOD PRO enclosure will void UL listing and warranty.

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