

Surge Protection

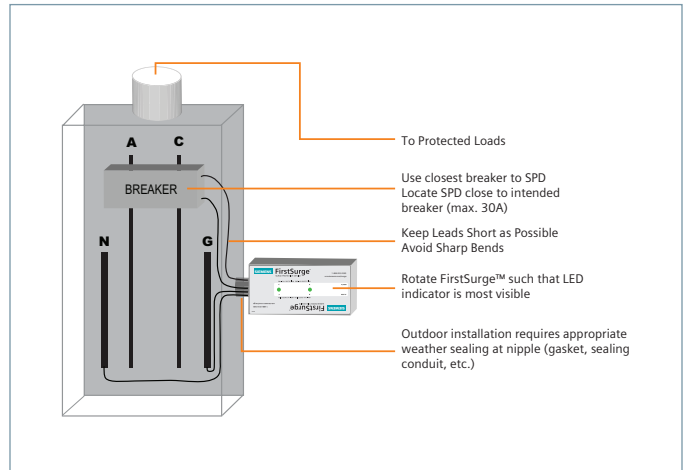
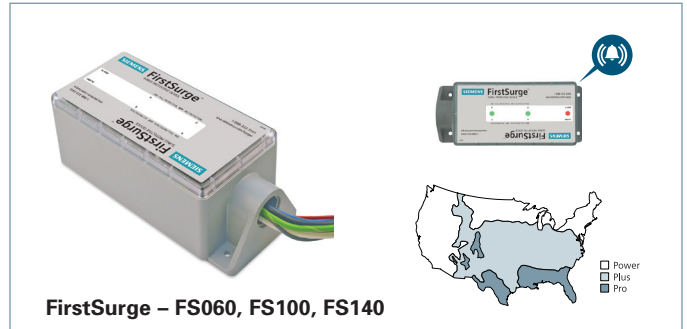
Power Service Entrance Surge Protection

FirstSurge™ - Power, Plus, or Pro

- 4th Listed, Type 2, Surge Protective Device (SPD)
 - Surge Current Capacities:
 - 60,000 A, FirstSurge Power (FS060)
 - 100,000 A, FirstSurge Plus (FS100)
 - 140,000 A, FirstSurge Pro (FS140)
 - 3 Stage Commercial Grade Notification:
 - Protection Status LEDs
 - Audible Alarm
 - Flashing Red Service LED
 - Ground Reference Monitoring (GRM)
 - 10 year product & connected equipment warranty*
- * See www.usa.siemens.com/surge for warranty terms and conditions.

Surge Type	Catalog Number
FirstSurge Power	FS060
FirstSurge Plus	FS100
FirstSurge Pro	FS140

AC Surge Protection	
UL and CSA Listings	1449 4th Edition & CSA 22.2 No. 269.2
Surge Spike Capacity	60kA, 100kA, or 140kA
Line Voltage	120/240 1 Phase 50/60 Hz
UL 1449 4th Edition VPR	L-N, L-G, N-G: 600 V; L-L: 900V
Rated Voltage (MCOV)	L-N, L-G, and N-G: 150V; L-L: 300V
Short Circuit Current Rating (SCCR)	100kA
Inominal (I _n) Rating	20kA
Response Time	<1 nanosecond
Enclosure	NEMA 4X Indoor and Outdoor Rated
Product Warranty	10 years



Type 1 SPD / Surge Arrestor Replacement

TPS3 03

TPS3 03 is a UL 1449 4th Edition 50 kA Type 1 compact surge protective device that can be used as a replacement secondary surge or lightning arrestors. Having a Type 1 designation allows for flexible electrical system connection location (line or load side) as well as UL 96A compliance (@ 20 kA I_n).

TPS3 03 Key Features

- UL 1449 4th Edition Listed Type 1
- Type 1 Rated SPD
- 50 kA Per Phase Surge Current
- 20 kA I_n (Most models)
- 200 kA SCCR (Most models)
- UL 96A Lightning Protection Master Labeling compliant (@ 20 kA)
- Every MOV is monitored
- Mounts external to electrical distribution equipment
 - Recommend for Line Side or Load Side Applications
- Standard compact NEMA 4X polycarbonate enclosure
- Modes of Protection: L-N or L-G and L-L
- Standard Monitoring: LED Indicator
- Dimensions: 3.25" x 3.25" x 3.3" (82.6 mm x 82.6 mm x 83.8 mm)
- Weight: 2 lb. (0.9 kg)
- 2 Year Product Warranty

Available Options:

- Dry contacts & Audible Alarm (option "D")



Ordering Information

Catalog # **TPS3** **03**

Voltage Code A = 120/240 V, 1Ø, 3W B = 120/240 V, 3Ø, 4W C = 120/208 V, 3Ø, 4W D = 240 V, 3Ø, 3W E = 277/480 V, 3Ø, 4W F = 480 V, 3Ø, 3W G = 600 V, 3Ø, 3W K = 380/220 V, 3Ø, 4W L = 600/347 V, 3Ø, 4W	Surge Current (kA) 05 = 50 kA per phase	Options D = Dry contact & audible alarm N = Adds N-G Protection
--	---	--

Example: **TPS3C0305D0** = Type 1 SPD for a 208/120V application with a surge current capacity of 50 kA per phase, in a standard NEMA 4X enclosure with dry contacts and audible alarm option. When an option is not selected, include a **zero (0)** in the field.

Available Accessories: Ordered Separately
RMSIE = Remote monitor