S

STP Series Pluggable

Surge-Trap®

SURGE PROTECTIVE DEVICE

DIN-RAIL PLUGGABLE SPD FOR ANSI/UL 1449 TYPE 1 AND 2 APPLICATIONS



Surge-Trap® Pluggable Surge Protective Device (SPD) is a no-fuse, fail-safe surge suppressor featuring Mersen's patented TPMOV® technology inside. UL 1449 4th Edition approved, it is DIN-rail mountable featuring a fail-safe self-protected design, visual indicator, and a small footprint. A remote indicator option provides status to critical control circuitry. The Surge-Trap Pluggable SPD has a high short circuit rating and a thermally protected MOV, which eliminates the need for additional overcurrent protection devices.

NEW AND IMPROVED 75KA RATING

Mersen's DIN-Rail Pluggable SPD is one of a kind - the combination of a robust 75kA surge capacity along with no requirement of backup fusing creates an offering unique to the market. Add this to the reliability and safety of Mersen's patented TPMOV technology and you have a truly superior product.

RATINGS:

- Volts (U_): 120-690VAC
- Nominal Discharge Current Rating (I_): 10-20kA
- Surge Capacity: 75kA
- Short-Circuit Current Rating (SCCR): 200kA

FEATURES/BENEFITS:

- Easy installation or retrofit
- DIN-rail mountable
- Fail-safe, self-protected design
- Remote indicator
- Visual indicator
- IP20 finger-safe design
- Small footprint
- No additional overcurrent protection devices required
- Easy to replace modules
- 2-year warranty

APPROVALS:

- ANSI/UL 1449 4th Edition, Type 1 Component Assembly SPD, File E210793
- ANSI/IEEE C62.41.1, C62.41.2, C62.45
- RoHS Compliant





GENERAL PRODU	CT SPECIFICATIONS												
Mounting: Wire Range: Terminal Torque: Degree of Protection: Flammability:		35mm DIN-Rail 4-14AWG Solid / Stranded CU 35.4 lbs-in IP 20 UL94 VO			Operating & Storage Temperature: Visual End of Life Indicator: Remote End of Life Indicator: Frequency:			RED = EI	– 40°C to + 85°C RED = End of Life NO/NC Dry Contact 50-60 Hz				
1-POLE, SINGLE-F	PHASE, 2-WIRE												
Catalog Number	Nominal Voltage (VAC)	Maximum Continuous Operating Voltage (M			MCOV, VAc)	(c) Voltage Protection Ra			ating (VPR, VAC)		replacement plug		l (kA)
		L-N	L-G	N-G	L-L	L-N	L-G	N-G	L-L	L-1		Įk	κAJ
STP120P07(M)	120	175	-	-	-	600	-	-	-	SP07U1	75	20	0
STP230P07(M)	240	275	-	-	-	900	-	-	-	SP07U275		20	0
STP277P07(M)	277	320	-	-	-	1000	-	-	-	SP07U320		20	0
STP347P07(M)	347	420	-	-	-	1500	-	-	-	SP07U420		10	0
2-POLE, SPLIT-PH	IASE, 3-WIRE												
Catalog Number	Nominal Voltage (VAC)	Maximum Continuous Operating Voltage (MCOV, VAc)				Voltage Protection Rating (VPR, VAC)				replacement plug		I,	l (kA)
		L-N	L-G	N-G	L-L	L-N	L-G	N-G	L-L	L1, L2		Įκ	[KA]
STP240S07(M)	120/240	175	-	-	350	600	-	-	1200	SP07U1	75	20	0
STP480S07(M)	240/480	275	-	-	550	900	-	-	1800	SP07U275		20	0
3-POLE, 3-PHASE	DELTA, 4-WIRE												
Catalog Number	Nominal Voltage (VAC)	Maximum Continuous Operating Voltage (MCOV			MCOV, VAc)	Voltage Protection Rating (VPR, VAC)				replacement plug		I,	
		L-N	L-G	N-G	L-L	L-N	L-G	N-G	L-L	L1, L2, I	L3	Įκ	(kA)
STP240D07(M)	240	-	275	-	550	-	900	-	1800	SP07U2	75	20	0
STP480D07(M)	480	-	550	-	1100	-	1500	-	3000	SP07U550		10	0
3-POLE, 3-PHASE	WYE, 4-WIRE												
Catalog Number	Nominal Voltage (VAC)	Maximum Continuous Operating Voltage (MCOV, VAc)				Voltage Protection Rating (VPR, VAC)				replacement plug		Ļ	l (kA)
		L-N	L-G	N-G	L-L	L-N	L-G	N-G	L-L	L1, L2, I	L3	(k	kA]
STP208Y07(M)	120/208	175	-	-	350	600	-	-	1200	SP07U175		20	0
STP480Y07(M)	277/480	320	-	-	640	1000	-	-	2000	SP07U320		20	0
STP600Y07(M)	347/600	420	-	-	840	1500	-	-	2500	SP07U420		10	0
STP690Y07(M)	400/690	550	-	-	1100	1500	-	-	3000	SP07U550		10	0
4-POLE, 3-PHASE	WYE, 5-WIRE, INCL	UDING N-G MOI	DE										
Catalog Number	Nominal Voltage (VAC)	Maximum Continuous Operating Voltage (MCOV, VAc)				Voltage Protection Rating (VPR, VAC)				replacement plug		I,	
		L-N	L-G	N-G	L-L	L-N	L-G	N-G	L-L	L1, L2, I	L3 N-	G (k	kA)
STP208YN07(M)	120/208	175	175	175	350	600	1200	600	1200	SP07U1	75 SP07	U175 2(0
STP480YN07(M)	277/480	320	495	175	640	1000	1500	600	2000	SP07U3	20 SP07	U175 2(0
STP600YN07(M)	347/600	420	695	275	840	1500	2000	800	2500	SP07U4	.20 SP07	J275 10	0
STP690YN07(M)	400/690	550	870	320	1100	1500	2500	1000	3000	SP07U5	50 SP07	J320 1 (0
4-POLE, 3-PHASE	DELTA HIGH-LEG, 5	-WIRE, INCLUD	ING N-G MODE										
Catalog Number	Nominal Voltage (VAC)	Maximum Continuous Operating Voltage (MCOV, VAc)			MCOV, VAc)	Voltage Protection Rating (VPR, VAC)				replacement plug		I.	l (kA)
		L-L/L-G	L-N/N-G	H-L/H-G	H-N	L-L/L-G	L-N/ N-G	H-L/H-G	H-N	L1, L3	L2 N-	G [k	(KA)
							I N-G						
STP240HN07(M)	120/240	350	175	450	275	1200	600	1500	800		P07U275 SP07	U175 2(0

