SURGE PROTECTIVE DEVICE

SURGE-TRAP® PLUGGABLE

DIN-RAII 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 P	RODUCT SPECI	FICATION	S									
Wire Range: 4 Terminal Torque: 3 Degree of Protection: II		85mm DIN-Rail 4-14AWG Solid / Stranded CU 35.4 Ibs-in P 20 JL94 VO			Visual End of Life Indicator: RED Remote End of Life Indicator: NO/				0°C to + 85°C I = End of Life NC Dry Contact 60 Hz			
1-POLE, SING	GLE-PHASE, 2-V	VIRE										
CATALOG NUMBER	NOMINAL VOLTAGE (VAC)	MAXIMUM CONTINUOUS OPERATING VOLTAGE			(MCOV, VAC)	VOLTAGE	PROTECTIO	N RATING (VPR, VAC)		REPLACEMENT PLUG		 (kA)
		L-N	L-G	N-G	L-L	L-N	L-G	N-G	L-L	L-1		(KAJ
STP120P07(M)	120	175	-	-	-	600	-	-	-	SP07U175		20
STP230P07(M)	240	275	-	-	-	600	-	-	-	SP07U275		20
STP277P07(M)	277	320	-	-	-	600	-	-	-	SP07U320		20
STP347P07(M)	347	420	-	-	-	800	-	-	-	SP07U420		10
2-POLE, SPL	IT-PHASE, 3-W	IRE										
CATALOG NUMBER	NOMINAL VOLTAGE (VAC)	MAXIMUM CO	(MCOV, VAC)	VOLTAGE	PROTECTIO	N RATING (V	PR, VAC)	REPLACEMENT PLUG		I,		
		L-N	L-G	N-G	L-L	L-N	L-G	N-G	L-L	L1, L2		(kA)
STP240S07(M)	120/240	175	-	-	350	600	-	-	1800	SP07U175		20
STP480S07(M)	240/480	275	-	-	550	600	-	-	1200	SP07U275		20
3-POLE, 3-PI	HASE DELTA, 4	-WIRE										
CATALOG	NOMINAL VOLTAGE (VAC)	MAXIMUM CO	NTINUOUS OPE	(MCOV, VAC)	(COV, VAC) VOLTAGE PROTECTION RA				REPLACEMENT PLUG		l,	
NUMBER		L-N	L-G	N-G	L-L	L-N	L-G	N-G	L-L	L1, L2, L3		(kA)
STP240D07(M)	240	-	275		550	-	900	-	1800	SP07U275		20
STP480D07(M)	480	-	550	-	1100	-	1500	-	3000	SP07U550		10
3-POLE, 3-PI	HASE WYE, 4-V	VIRE										
CATALOG	NOMINAL VOLTAGE (VAC)	MAXIMUM CONTINUOUS OPERATING VOLTAGE (MCOV, VAC				VOLTAGE PROTECTION RATING (VPR, VAC)				REPLACEMENT PLUG		
NUMBER		L-N	L-G	N-G	L-L	L-N	L-G	N-G	LL	L1, L2, L3		(kA)
STP208Y07(M)	120/208	175			350	600			1200	SP07U175		20
STP480Y07(M)	277/480	320	-	-	640	1500	-	-	2500	SP07U320		20
STP600Y07(M)	347/600	420	-	-	840	1500	-	-	2500	SP07U420		10
STP690Y07(M)	400/690	420	-	-	840	1500	-	-	2500	SP07U420		10
4-POLE, 3-P	HASE WYE, 5-V	VIRE, INCI	LUDING N-	-G MODE								
CATALOG NUMBER	NOMINAL VOLTAGE (VAC)	MAXIMUM CONTINUOUS OPERATING VOLTAGE (MCOV, V.				VOLTAGE PROTECTION RATING (VPR, VAC)				REPLACEMENT PLUG		I _n
		L-N	L-G	N-G	L-L	L-N	L-G	N-G	L-L	L1, L2, L3	N-G	(kA)
STP208YN07(M)	120/208	175	175	175	350	600	1200	600	1200	SP07U175	SP07U175	20
STP480YN07(M)	277/480	320	495	175	640	1000	1500	600	2000	SP07U320	SP07U175	20
STP600YN07(M)	347/600	420	695	275	840	1500	2000	800	2500	SP07U420	SP07U275	10
STP690YN07(M)	400/690	420	740	320	840	1500	2000	800	2500	SP07U420	SP07U320	10
4-POLE, 3-P	HASE DELTA HI	GH-LEG, 5	-WIRE, IN	ICLUDING N	I-G MODE							
CATALOG NUMBER	NOMINAL VOLTAGE (VAC)	MAXIMUM CONTINUOUS OPERATING VOLTAGE			(MCOV, VAC)	VOLTAGE	PROTECTIO	RATING (VPR, VAC)		REPLACEMENT PLUG		I,
		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, L2 L3	N-G	(kA)
STP240HN07(M)	120/240	350	175	450	275	1200	600	1500	800	SP07U175 SP07U275	SP07U175	20
STP480HN07(M)	240/480	550/450	275/175	825/725	550	1500	800/600	2500/2000	1500	SP07U275 SP07U550	SP07U175	10

