



# SURGE PROTECTION DEVICES



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Surge-Trap® Monobloc STMT1 Series - 50kA

PRODUCT RANGE



STMT1-50K275V-1P

**1 Pole**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>imp</sub> (10/350)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>
<b>L-N (1Ph)</b>						
STMT1-50K150V-1P	83010103	120 VAC	150 V	50 kA	50 kA	≤ 2 kV
STMT1-50K275V-1P	83010100	230 VAC	275 V	50 kA	50 kA	≤ 2 kV
STMT1-50K320V-1P	83010104	277 VAC	320 V	50 kA	50 kA	≤ 2 kV
STMT1-50K440V-1P	83010107	400 VAC	440 V	50 kA	50 kA	≤ 2.5 kV
<b>N-PE (N)</b>						
STMT1-100K-N	83010102	Neutral	255 V	100 kA	100 kA	≤ 2 kV

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Surge-Trap® Pluggable STPT12 Series - 12.5kA

PRODUCT RANGE



STPT12-12K275V-1PM

**1 Pole**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>imp</sub> (10/350)	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No	
									L-N	N-PE
<b>L-N (1Ph)</b>										
STPT12-12K150V-1P	83120100	120 VAC	150 V	12.5 kA	50 kA	20 kA	≤ 1 kV	No	SP12-12K150V	-
STPT12-12K150V-1PM	83120101	120 VAC	150 V	12.5 kA	50 kA	20 kA	≤ 1 kV	Yes	SP12-12K150V	-
STPT12-12K275V-1P	83120102	230 VAC	275 V	12.5 kA	50 kA	20 kA	≤ 1.3 kV	No	SP12-12K275V	-
STPT12-12K275V-1PM	83120103	230 VAC	275 V	12.5 kA	50 kA	20 kA	≤ 1.3 kV	Yes	SP12-12K275V	-
STPT12-12K320V-1P	83120104	277 VAC	320 V	12.5 kA	50 kA	20 kA	≤ 1.4 kV	No	SP12-12K320V	-
STPT12-12K320V-1PM	83120105	277 VAC	320 V	12.5 kA	50 kA	20 kA	≤ 1.4 kV	Yes	SP12-12K320V	-
STPT12-12K440V-1P	83120106	400 VAC	440 V	12.5 kA	50 kA	20 kA	≤ 1.8 kV	No	SP12-12K440V	-
STPT12-12K440V-1PM	83120107	400 VAC	440 V	12.5 kA	50 kA	20 kA	≤ 1.8 kV	Yes	SP12-12K440V	-
<b>N-PE (N)</b>										
STPT12-25K-N	83120108	Neutral	255 V	25 kA	50 kA	25 kA	≤ 1.5 kV	No	-	SP12-25K-N
STPT12-50K-N	83120110	Neutral	255 V	50 kA	50 kA	50 kA	≤ 1.5 kV	No	-	SP12-50K-N

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Surge-Trap® Pluggable STPT12 Series - 12.5kA

PRODUCT RANGE



STPT12-12K275V-2PGM

**2 Poles**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>imp</sub> (10/350)	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No	
									L-N	N-PE
<b>TT (1Ph+N)</b>										
STPT12-12K150V-2PG	83120112	120 VAC	150 V	12.5 kA (L-N) 25 kA (N-PE)	50 kA	20 kA	≤ 1 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP12-12K150V	SP12-25K-N
STPT12-12K150V-2PGM	83120113	120 VAC	150 V	12.5 kA (L-N) 25 kA (N-PE)	50 kA	20 kA	≤ 1 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP12-12K150V	SP12-25K-N
STPT12-12K275V-2PG	83120114	230 VAC	275 V	12.5 kA (L-N) 25 kA (N-PE)	50 kA	20 kA	≤ 1.3 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP12-12K275V	SP12-25K-N
STPT12-12K275V-2PGM	83120115	230 VAC	275 V	12.5 kA (L-N) 25 kA (N-PE)	50 kA	20 kA	≤ 1.3 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP12-12K275V	SP12-25K-N
STPT12-12K320V-2PG	83120116	277 VAC	320 V	12.5 kA (L-N) 25 kA (N-PE)	50 kA	20 kA	≤ 1.4 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP12-12K320V	SP12-25K-N
STPT12-12K320V-2PGM	83120117	277 VAC	320 V	12.5 kA (L-N) 25 kA (N-PE)	50 kA	20 kA	≤ 1.4 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP12-12K320V	SP12-25K-N
<b>TNS (1Ph+N)</b>										
STPT12-12K75V-2P	83120126	60 VAC	75 V	12.5 kA	50 kA	20 kA	≤ 0.65 kV	No	SP12-12K75V	-
STPT12-12K75V-2PM	83120127	60 VAC	75 V	12.5 kA	50 kA	20 kA	≤ 0.65 kV	Yes	SP12-12K75V	-
STPT12-12K150V-2P	83120118	120 VAC	150 V	12.5 kA	50 kA	20 kA	≤ 1 kV	No	SP12-12K150V	-
STPT12-12K150V-2PM	83120119	120 VAC	150 V	12.5 kA	50 kA	20 kA	≤ 1 kV	Yes	SP12-12K150V	-
STPT12-12K275V-2P	83120120	230 VAC	275 V	12.5 kA	50 kA	20 kA	≤ 1.3 kV	No	SP12-12K275V	-
STPT12-12K275V-2PM	83120121	230 VAC	275 V	12.5 kA	50 kA	20 kA	≤ 1.3 kV	Yes	SP12-12K275V	-
STPT12-12K320V-2P	83120122	277 VAC	320 V	12.5 kA	50 kA	20 kA	≤ 1.4 kV	No	SP12-12K320V	-
STPT12-12K320V-2PM	83120123	277 VAC	320 V	12.5 kA	50 kA	20 kA	≤ 1.4 kV	Yes	SP12-12K320V	-
<b>IT (1Ph+N) TNS (1Ph+N)</b>										
STPT12-12K440V-2P	83120124	230 VAC (IT) 400 VAC (TNS)	440 V	12.5 kA	50 kA	20 kA	≤ 1.8 kV	No	SP12-12K440V	-
STPT12-12K440V-2PM	83120125	230 VAC (IT) 400 VAC (TNS)	440 V	12.5 kA	50 kA	20 kA	≤ 1.8 kV	Yes	SP12-12K440V	-

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Surge-Trap® Pluggable STPT12 Series - 12.5kA

PRODUCT RANGE



STPT12-12K275V-3PM

**3 Poles**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>imp</sub> (10/350)	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No L-N
<b>TNC (3Ph)</b>									
STPT12-12K150V-3P	83120128	120/208 VAC	150 V	12.5 kA	50 kA	20 kA	≤ 1 kV	No	SP12-12K150V
STPT12-12K150V-3PM	83120129	120/208 VAC	150 V	12.5 kA	50 kA	20 kA	≤ 1 kV	Yes	SP12-12K150V
STPT12-12K275V-3P	83120130	230/400 VAC	275 V	12.5 kA	50 kA	20 kA	≤ 1.3 kV	No	SP12-12K275V
STPT12-12K275V-3PM	83120131	230/400 VAC	275 V	12.5 kA	50 kA	20 kA	≤ 1.3 kV	Yes	SP12-12K275V
STPT12-12K320V-3P	83120132	277/480 VAC	320 V	12.5 kA	50 kA	20 kA	≤ 1.4 kV	No	SP12-12K320V
STPT12-12K320V-3PM	83120133	277/480 VAC	320 V	12.5 kA	50 kA	20 kA	≤ 1.4 kV	Yes	SP12-12K320V
<b>IT (3Ph) TNC (3Ph)</b>									
STPT12-12K440V-3P	83120134	230/400 VAC (IT) 400/690 VAC (TNC)	440 V	12.5 kA	50 kA	20 kA	≤ 1.8 kV	No	SP12-12K440V
STPT12-12K440V-3PM	83120135	230/400 VAC (IT) 400/690 VAC (TNC)	440 V	12.5 kA	50 kA	20 kA	≤ 1.8 kV	Yes	SP12-12K440V

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Surge-Trap® Pluggable STPT12 Series - 12.5kA

PRODUCT RANGE



STPT12-12K275V-4PM

**4 Poles**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>imp</sub> (10/350)	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No	
									L-N	N-PE
<b>TT (3Ph+N)</b>										
STPT12-12K150V-4PG	83120136	120/208 VAC	150 V	12.5 kA (L-N) 50 kA (N-PE)	50 kA	20 kA	≤ 1 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP12-12K150V	SP12-50K-N
STPT12-12K150V-4PGM	83120137	120/208 VAC	150 V	12.5 kA (L-N) 50 kA (N-PE)	50 kA	20 kA	≤ 1 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP12-12K150V	SP12-50K-N
STPT12-12K275V-4PG	83120138	230/400 VAC	275 V	12.5 kA (L-N) 50 kA (N-PE)	50 kA	20 kA	≤ 1.3 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP12-12K275V	SP12-50K-N
STPT12-12K275V-4PGM	83120139	230/400 VAC	275 V	12.5 kA (L-N) 50 kA (N-PE)	50 kA	20 kA	≤ 1.3 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP12-12K275V	SP12-50K-N
STPT12-12K320V-4PG	83120140	277/480 VAC	320 V	12.5 kA (L-N) 50 kA (N-PE)	50 kA	20 kA	≤ 1.4 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP12-12K320V	SP12-50K-N
STPT12-12K320V-4PGM	83120141	277/480 VAC	320 V	12.5 kA (L-N) 50 kA (N-PE)	50 kA	20 kA	≤ 1.4 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP12-12K320V	SP12-50K-N
<b>TNS (3Ph+N)</b>										
STPT12-12K150V-4P	83120142	120/208 VAC	150 V	12.5 kA	50 kA	20 kA	≤ 1 kV	No	SP12-12K150V	-
STPT12-12K150V-4PM	83120143	120/208 VAC	150 V	12.5 kA	50 kA	20 kA	≤ 1 kV	Yes	SP12-12K150V	-
STPT12-12K275V-4P	83120144	230/400 VAC	275 V	12.5 kA	50 kA	20 kA	≤ 1.3 kV	No	SP12-12K275V	-
STPT12-12K275V-4PM	83120145	230/400 VAC	275 V	12.5 kA	50 kA	20 kA	≤ 1.3 kV	Yes	SP12-12K275V	-
STPT12-12K320V-4P	83120146	277/480 VAC	320 V	12.5 kA	50 kA	20 kA	≤ 1.4 kV	No	SP12-12K320V	-
STPT12-12K320V-4PM	83120147	277/480 VAC	320 V	12.5 kA	50 kA	20 kA	≤ 1.4 kV	Yes	SP12-12K320V	-
<b>IT (3Ph) TNS (3Ph+N)</b>										
STPT12-12K440V-4P	83120148	230/400 VAC (IT) 400/690 VAC (TNS)	440 V	12.5 kA	50 kA	20 kA	≤ 1.8 kV	No	SP12-12K440V	-
STPT12-12K440V-4PM	83120149	230/400 VAC (IT) 400/690 VAC (TNS)	440 V	12.5 kA	50 kA	20 kA	≤ 1.8 kV	Yes	SP12-12K440V	-

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Surge-Trap® Pluggable STPT12 Series - 12.5kA

PRODUCT RANGE



SP12-12K275V

**Replacement cartridges**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>imp</sub> (10/350)	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>
<b>L-N</b>							
SP12-12K75V	83120000	60	75 V	12.5 kA	50 kA	20 kA	≤ 0.65 kV
SP12-12K150V	83120001	120	150 V	12.5 kA	50 kA	20 kA	≤ 1 kV
SP12-12K275V	83120002	230	275 V	12.5 kA	50 kA	20 kA	≤ 1.3 kV
SP12-12K320V	83120003	277	320 V	12.5 kA	50 kA	20 kA	≤ 1.4 kV
SP12-12K440V	83120004	400	440 V	12.5 kA	50 kA	20 kA	≤ 1.8 kV
<b>N-PE</b>							
SP12-25K-N	83120005	Neutral	255 V	25 kA	50 kA	25 kA	≤ 1.5 kV
SP12-50K-N	83120006	Neutral	255 V	50 kA	50 kA	50 kA	≤ 1.5 kV

Surge-Trap® Pluggable STPT12 Series - 25kA

PRODUCT RANGE



STPT12-25K275V-1PM

**1 Pole**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>imp</sub> (10/350)	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No	
									L-N	N-PE
<b>L-N (1Ph)</b>										
STPT12-25K275V-1P	83120152	230 VAC	275 V	25 kA	100 kA	25 kA	≤ 1.5 kV	No	SP12-25K275V	-
STPT12-25K275V-1PM	83120153	230 VAC	275 V	25 kA	100 kA	25 kA	≤ 1.5 kV	Yes	SP12-25K275V	-
<b>N-PE (N)</b>										
STPT12-100K-N	83120166	Neutral	255 V	100 kA	100 kA	50 kA	≤ 1.5 kV	No	-	SP12-100K-N

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Surge-Trap® Pluggable STPT12 Series - 25kA

PRODUCT RANGE



STPT12-25K275V-2PM

**2 Poles**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>imp</sub> (10/350)	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No	
									L-N	N-PE
<b>TT (1Ph+N)</b>										
STPT12-25K275V-2PG	83120154	230 / 400 VAC	275 V	25 kA	100 kA	25 kA	≤ 1.5 kV	No	SP12-25K275V	SP12-50K-2PN
STPT12-25K275V-2PGM	83120155	230 / 400 VAC	275 V	25 kA	100 kA	25 kA	≤ 1.5 kV	Yes	SP12-25K275V	SP12-50K-2PN
<b>TNS (1Ph+N)</b>										
STPT12-25K275V-2P	83120156	230 / 400 VAC	275 V	25 kA	100 kA	25 kA	≤ 1.5 kV	No	SP12-25K275V	-
STPT12-25K275V-2PM	83120157	230 / 400 VAC	275 V	25 kA	100 kA	25 kA	≤ 1.5 kV	Yes	SP12-25K275V	-



STPT12-25K275V-3PM

**3 Poles**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>imp</sub> (10/350)	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No	
									L-N	N-PE
<b>TNC (3Ph)</b>										
STPT12-25K275V-3P	83120158	230 / 400 VAC	275 V	25 kA	100 kA	25 kA	≤ 1.5 kV	No	SP12-25K275V	-
STPT12-25K275V-3PM	83120159	230 / 400 VAC	275 V	25 kA	100 kA	25 kA	≤ 1.5 kV	Yes	SP12-25K275V	-



STPT12-25K275V-4PM

**4 Poles**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>imp</sub> (10/350)	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No	
									L-N	N-PE
<b>TT (3Ph+N)</b>										
STPT12-25K275V-4PG	83120150	230 / 400 VAC	275 V	25 kA	100 kA	25 kA	≤ 1.5 kV	No	SP12-25K275V	SP12-100K-N
STPT12-25K275V-4PGM	83120151	230 / 400 VAC	275 V	25 kA	100 kA	25 kA	≤ 1.5 kV	Yes	SP12-25K275V	SP12-100K-N
<b>TNS (3Ph+N)</b>										
STPT12-25K275V-4P	83120160	230 / 400 VAC	275 V	25 kA	100 kA	25 kA	≤ 1.5 kV	No	SP12-25K275V	-
STPT12-25K275V-4PM	83120161	230 / 400 VAC	275 V	25 kA	100 kA	25 kA	≤ 1.5 kV	Yes	SP12-25K275V	-

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Surge-Trap® Pluggable STPT12 Series - 25kA

PRODUCT RANGE



SP12-25K275V

**Replacement cartridges**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>imp</sub> (10/350)	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>
<b>L-N (1Ph)</b>							
SP12-25K275V	83120007	230 VAC	275 V	25 kA	100 kA	25 kA	≤ 1.5 kV
<b>N-PE (N)</b>							
SP12-50K-2PN	83120009	Neutral	255 V	50 kA	100 kA	25 kA	≤ 1.5 kV
SP12-100K-N	83120008	Neutral	255 V	100 kA	100 kA	50 kA	≤ 1.5 kV

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Surge-Trap® Pluggable STPT2 Series - 40kA

PRODUCT RANGE



STPT2-40K275V-1PM

**1 Pole**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No	
								L-N	N-PE
<b>L-N (1Ph)</b>									
STPT2-40K150V-1P	83020104	120 VAC	150 V	40 kA	20 kA	≤ 1 kV	No	SP2-40K150V	-
STPT2-40K150V-1PM	83020105	120 VAC	150 V	40 kA	20 kA	≤ 1 kV	Yes	SP2-40K150V	-
STPT2-40K275V-1P	83020106	230 VAC	275 V	40 kA	20 kA	≤ 1.3 kV	No	SP2-40K275V	-
STPT2-40K275V-1PM	83020107	230 VAC	275 V	40 kA	20 kA	≤ 1.3 kV	Yes	SP2-40K275V	-
STPT2-40K320V-1P	83020108	277 VAC	320 V	40 kA	20 kA	≤ 1.5 kV	No	SP2-40K320V	-
STPT2-40K320V-1PM	83020109	277 VAC	320 V	40 kA	20 kA	≤ 1.5 kV	Yes	SP2-40K320V	-
STPT2-40K440V-1P	83020110	400 VAC	440 V	40 kA	20 kA	≤ 2 kV	No	SP2-40K440V	-
STPT2-40K440V-1PM	83020111	400 VAC	440 V	40 kA	20 kA	≤ 2 kV	Yes	SP2-40K440V	-
STPT2-30K750V-1P	83020100	690 VAC	750 V	30 kA	15 kA	≤ 3 kV	No	SP2-30K750V	-
STPT2-30K750V-1PM	83020101	690 VAC	750 V	30 kA	15 kA	≤ 3 kV	Yes	SP2-30K750V	-
<b>N-PE (N)</b>									
STPT2-40K-N	83020112	Neutral	277 V	40 kA	20 kA	≤ 1.5 kV	No	-	SP2-40K-N

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Surge-Trap® Pluggable STPT2 Series - 40kA

PRODUCT RANGE



STPT2-40K275V-2PM

**2 Poles**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No	
								L-N	N-PE
<b>TT (1Ph+N)</b>									
STPT2-40K150V-2PG	83020114	120 VAC	150 V	40 kA	20 kA	≤ 1 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP2-40K150V	SP2-40K-N
STPT2-40K150V-2PGM	83020115	120 VAC	150 V	40 kA	20 kA	≤ 1 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP2-40K150V	SP2-40K-N
STPT2-40K275V-2PG	83020116	230 VAC	275 V	40 kA	20 kA	≤ 1.3 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP2-40K275V	SP2-40K-N
STPT2-40K275V-2PGM	83020117	230 VAC	275 V	40 kA	20 kA	≤ 1.3 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP2-40K275V	SP2-40K-N
STPT2-40K320V-2PG	83020118	277 VAC	320 V	40 kA	20 kA	≤ 1.5 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP2-40K320V	SP2-40K-N
STPT2-40K320V-2PGM	83020119	277 VAC	320 V	40 kA	20 kA	≤ 1.5 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP2-40K320V	SP2-40K-N
<b>TNS (1Ph+N)</b>									
STPT2-40K60V-2P	83020128	48 VAC	60 V	40 kA	20 kA	≤ 0.7 kV	No	SP2-40K60V	-
STPT2-40K60V-2PM	83020129	48 VAC	60 V	40 kA	20 kA	≤ 0.7 kV	Yes	SP2-40K60V	-
STPT2-40K75V-2P	83020130	60 VAC	75 V	40 kA	20 kA	≤ 0.8 kV	No	SP2-40K75V	-
STPT2-40K75V-2PM	83020131	60 VAC	75 V	40 kA	20 kA	≤ 0.8 kV	Yes	SP2-40K75V	-
STPT2-40K150V-2P	83020120	120 VAC	150 V	40 kA	20 kA	≤ 1 kV	No	SP2-40K150V	-
STPT2-40K150V-2PM	83020121	120 VAC	150 V	40 kA	20 kA	≤ 1 kV	Yes	SP2-40K150V	-
STPT2-40K275V-2P	83020122	230 VAC	275 V	40 kA	20 kA	≤ 1.3 kV	No	SP2-40K275V	-
STPT2-40K275V-2PM	83020123	230 VAC	275 V	40 kA	20 kA	≤ 1.3 kV	Yes	SP2-40K275V	-
STPT2-40K320V-2P	83020124	277 VAC	320 V	40 kA	20 kA	≤ 1.5 kV	No	SP2-40K320V	-
STPT2-40K320V-2PM	83020125	277 VAC	320 V	40 kA	20 kA	≤ 1.5 kV	Yes	SP2-40K320V	-
<b>IT (Ph+N) TNS (1Ph+N)</b>									
STPT2-40K440V-2P	83020126	230 VAC (IT) 400 VAC (TNS)	440 V	40 kA	20 kA	≤ 2 kV	No	SP2-40K440V	-
STPT2-40K440V-2PM	83020127	230 VAC (IT) 400 VAC (TNS)	440 V	40 kA	20 kA	≤ 2 kV	Yes	SP2-40K440V	-

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Surge-Trap® Pluggable STPT2 Series - 40kA

PRODUCT RANGE



STPT2-40K275V-3PM

**3 Poles**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No L-N
<b>TNC (3Ph)</b>								
STPT2-40K150V-3P	83020132	120 / 208 VAC	150 V	40 kA	20 kA	≤ 1 kV	No	SP2-40K150V
STPT2-40K150V-3PM	83020133	120 / 208 VAC	150 V	40 kA	20 kA	≤ 1 kV	Yes	SP2-40K150V
STPT2-40K275V-3P	83020134	230 / 400 VAC	275 V	40 kA	20 kA	≤ 1.3 kV	No	SP2-40K275V
STPT2-40K275V-3PM	83020135	230 / 400 VAC	275 V	40 kA	20 kA	≤ 1.3 kV	Yes	SP2-40K275V
STPT2-40K320V-3P	83020136	277 / 480 VAC	320 V	40 kA	20 kA	≤ 1.5 kV	No	SP2-40K320V
STPT2-40K320V-3PM	83020137	277 / 480 VAC	320 V	40 kA	20 kA	≤ 1.5 kV	Yes	SP2-40K320V
STPT2-30K750V-3P	83020102	400 / 690 VAC (IT) 690 / 1000 VAC (TNC)	750 V	30 kA	15 kA	≤ 3 kV	No	SP2-30K750V
STPT2-30K750V-3PM	83020103	400 / 690 VAC (IT) 690 / 1000 VAC (TNC)	750 V	30 kA	15 kA	≤ 3 kV	Yes	SP2-30K750V
<b>IT (3Ph) TNC (3Ph)</b>								
STPT2-40K440V-3P	83020142	230 / 400 VAC (IT) 400 / 690 VAC (TNC)	440 V	40 kA	20 kA	≤ 2 kV	No	SP2-40K440V
STPT2-40K440V-3PM	83020143	230 / 400 VAC (IT) 400 / 690 VAC (TNC)	440 V	40 kA	20 kA	≤ 2 kV	Yes	SP2-40K440V
<b>IT (3ph) - Reinforced</b>								
STPT2-30K750V-3P-R	83020213	690 VAC (IT) 690 / 1000 VAC (TNC)	750 V	30 kA	15 kA	≤ 6 kV	No	SP2-30K750V
STPT2-30K750V-3P-RM	83020214	690 VAC (IT) 690 / 1000 VAC (TNC)	750 V	30 kA	15 kA	≤ 6 kV	Yes	SP2-30K750V
STPT2-30K850V-3P-R	83020201	800 VAC (IT) 690 / 1000 VAC (TNC)	850 V	30 kA	15 kA	≤ 6 kV	No	SP2-30K850V
STPT2-30K850V-3P-RM	83020202	800 VAC (IT) 690 / 1000 VAC (TNC)	850 V	30 kA	15 kA	≤ 6 kV	Yes	SP2-30K850V

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Surge-Trap® Pluggable STPT2 Series - 40kA

PRODUCT RANGE



STPT2-40K275V-4PM

**4 Poles**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No	
								L-N	N-PE
<b>TT (3Ph+N)</b>									
STPT2-40K150V-4PG	83020144	120/208 VAC	150 V	40 kA	20 kA	≤ 1 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP2-40K150V	SP2-40K-N
STPT2-40K150V-4PGM	83020145	120/208 VAC	150 V	40 kA	20 kA	≤ 1 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP2-40K150V	SP2-40K-N
STPT2-40K275V-4PG	83020146	230/400 VAC	275 V	40 kA	20 kA	≤ 1.3 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP2-40K275V	SP2-40K-N
STPT2-40K275V-4PGM	83020147	230/400 VAC	275 V	40 kA	20 kA	≤ 1.3 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP2-40K275V	SP2-40K-N
STPT2-40K320V-4PG	83020148	277/480 VAC	320 V	40 kA	20 kA	≤ 1.5 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP2-40K320V	SP2-40K-N
STPT2-40K320V-4PGM	83020149	277/480 VAC	320 V	40 kA	20 kA	≤ 1.5 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP2-40K320V	SP2-40K-N
<b>TNS (3Ph+N)</b>									
STPT2-40K150V-4P	83020150	120/208 VAC	150 V	40 kA	20 kA	≤ 1 kV	No	SP2-40K150V	-
STPT2-40K150V-4PM	83020151	120/208 VAC	150 V	40 kA	20 kA	≤ 1 kV	Yes	SP2-40K150V	-
STPT2-40K275V-4P	83020152	230/400 VAC	275 V	40 kA	20 kA	≤ 1.3 kV	No	SP2-40K275V	-
STPT2-40K275V-4PM	83020153	230/400 VAC	275 V	40 kA	20 kA	≤ 1.3 kV	Yes	SP2-40K275V	-
STPT2-40K320V-4P	83020154	277/480 VAC	320 V	40 kA	20 kA	≤ 1.5 kV	No	SP2-40K320V	-
STPT2-40K320V-4PM	83020155	277/480 VAC	320 V	40 kA	20 kA	≤ 1.5 kV	Yes	SP2-40K320V	-
<b>IT (3Ph+N) TNS (3Ph+N)</b>									
STPT2-40K440V-4P	83020156	230/400 VAC (IT) 400/690 VAC (TNS)	440 V	40 kA	20 kA	≤ 2 kV	No	SP2-40K440V	-
STPT2-40K440V-4PM	83020157	230/400 VAC (IT) 400/690 VAC (TNS)	440 V	40 kA	20 kA	≤ 2 kV	Yes	SP2-40K440V	-

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Surge-Trap® Pluggable STPT2 Series - 40kA

PRODUCT RANGE



SP2-40K275V

**Replacement cartridges**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>
<b>L-N</b>						
SP2-40K60V	83020008	48 VAC	60 V	40 kA	20 kA	≤ 0.7 kV
SP2-40K75V	83020009	60 VAC	75 V	40 kA	20 kA	≤ 0.8 kV
SP2-40K150V	83020001	120 VAC	150 V	40 kA	20 kA	≤ 1 kV
SP2-40K275V	83020002	230 VAC	275 V	40 kA	20 kA	≤ 1.3 kV
SP2-40K320V	83020003	277 VAC	320 V	40 kA	20 kA	≤ 1.5 kV
SP2-40K440V	83020004	400 VAC	440 V	40 kA	20 kA	≤ 2 kV
SP2-30K750V	83020007	690 VAC	750 V	30 kA	15 kA	≤ 3 kV
SP2-30K850V	83020022	850 VAC	850V	30 kA	15 kA	≤ 3 kV
<b>N-PE</b>						
SP2-40K-N	83020000	Neutral	277 V	40 kA	20 kA	≤ 1.5 kV

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Surge-Trap® Pluggable STPT23 Series - 20kA

PRODUCT RANGE



STPT23-20K320V-1PM

**1 Pole**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>oc</sub>	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No	
									L-N	N-PE
<b>L-N (1Ph)</b>										
STPT23-20K150V-1P	83230100	120 VAC	150 V	20 kA	10 kA	10 kV	≤ 0.8 kV	No	SP23-20K150V	-
STPT23-20K150V-1PM	83230101	120 VAC	150 V	20 kA	10 kA	10 kV	≤ 0.8 kV	Yes	SP23-20K150V	-
STPT23-20K320V-1P	83230102	230 VAC 277 VAC	320 V	20 kA	10 kA	10 kV	≤ 1.4 kV	No	SP23-20K320V	-
STPT23-20K320V-1PM	83230103	230 VAC 277 VAC	320 V	20 kA	10 kA	10 kV	≤ 1.4 kV	Yes	SP23-20K320V	-
<b>N-PE (N)</b>										
STPT23-20K-N	83230106	Neutral	255 V	20 kA	10 kA	10 kV	≤ 1.5 kV	No	-	SP23-20K-N



STPT23-20K320V-2PM

**2 Poles**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>oc</sub>	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No	
									L-N	N-PE
<b>TT (1Ph+N)</b>										
STPT23-20K150V-2PG	83230108	120 VAC	150 V	20 kA	10 kA	10 kV	≤ 0.8 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP23-20K150V	SP23-20K-N
STPT23-20K150V-2PGM	83230109	120 VAC	150 V	20 kA	10 kA	10 kV	≤ 0.8 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP23-20K150V	SP23-20K-N
STPT23-20K275V-2PG-LF	83230110	230 VAC	275 V	20 kA	10 kA	10 kV	≤ 1.5 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP23-20K275V-LF	SP23-20K-N
STPT23-20K275V-2PG-LFM	83230111	230 VAC	275 V	20 kA	10 kA	10 kV	≤ 1.5 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP23-20K275V-LF	SP23-20K-N
STPT23-20K320V-2PG	83230112	230 VAC 277 VAC	320 V	20 kA	10 kA	10 kV	≤ 1.4 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP23-20K320V	SP23-20K-N
STPT23-20K320V-2PGM	83230113	230 VAC 277 VAC	320 V	20 kA	10 kA	10 kV	≤ 1.4 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP23-20K320V	SP23-20K-N
<b>TNS (1Ph+N)</b>										
STPT23-20K150V-2P	83230114	120 VAC	150 V	20 kA	10 kA	10 kV	≤ 0.8 kV	No	SP23-20K150V	-
STPT23-20K150V-2PM	83230115	120 VAC	150 V	20 kA	10 kA	10 kV	≤ 0.8 kV	Yes	SP23-20K150V	-
STPT23-20K275V-2P-LF	83230134	230 VAC	275 V	20 kA	10 kA	10 kV	≤ 1.5 kV	No	SP23-20K275V-LF	-
STPT23-20K275V-2P-LFM	83230135	230 VAC	275 V	20 kA	10 kA	10 kV	≤ 1.5 kV	Yes	SP23-20K275V-LF	-
STPT23-20K320V-2P	83230116	230 VAC 277 VAC	320 V	20 kA	10 kA	10 kV	≤ 1.4 kV	No	SP23-20K320V	-
STPT23-20K320V-2PM	83230117	230 VAC 277 VAC	320 V	20 kA	10 kA	10 kV	≤ 1.4 kV	Yes	SP23-20K320V	-

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Surge-Trap® Pluggable STPT23 Series - 20kA

PRODUCT RANGE



STPT23-20K320V-3PM

**3 Poles**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>oc</sub>	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No	
									L-N	
<b>TNC (3Ph)</b>										
STPT23-20K150V-3P	83230118	120 / 208 VAC	150 V	20 kA	10 kA	10 kV	≤ 0.8 kV	No	SP23-20K150V	
STPT23-20K150V-3PM	83230119	120 / 208 VAC	150 V	20 kA	10 kA	10 kV	≤ 0.8 kV	Yes	SP23-20K150V	
STPT23-20K275V-3P-LF	83230120	230 / 400 VAC	275 V	20 kA	10 kA	10 kV	≤ 1.5 kV	No	SP23-20K275V-LF	
STPT23-20K275V-3P-LFM	83230121	230 / 400 VAC	275 V	20 kA	10 kA	10 kV	≤ 1.5 kV	Yes	SP23-20K275V-LF	
STPT23-20K320V-3P	83230122	230 / 400 VAC 277 / 480 VAC	320 V	20 kA	10 kA	10 kV	≤ 1.4 kV	No	SP23-20K320V	
STPT23-20K320V-3PM	83230123	230 / 400 VAC 277 / 480 VAC	320 V	20 kA	10 kA	10 kV	≤ 1.4 kV	Yes	SP23-20K320V	



STPT23-20K320V-4PM

**4 Poles**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>oc</sub>	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No	
									L-N	N-PE
<b>TT (3Ph+N)</b>										
STPT23-20K150V-4PG	83230124	120/208 VAC	150 V	20 kA	10 kA	10 kV	≤ 0.8 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP23-20K150V	SP23-20K-N
STPT23-20K150V-4PGM	83230125	120/208 VAC	150 V	20 kA	10 kA	10 kV	≤ 0.8 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP23-20K150V	SP23-20K-N
STPT23-20K275V-4PG-LF	83230126	230/400 VAC	275 V	20 kA	10 kA	10 kV	≤ 1.5 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP23-20K275V-LF	SP23-20K-N
STPT23-20K275V-4PG-LFM	83230127	230/400 VAC	275 V	20 kA	10 kA	10 kV	≤ 1.5 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP23-20K275V-LF	SP23-20K-N
STPT23-20K320V-4PG	83230128	230/400 VAC 277/400 VAC	320 V	20 kA	10 kA	10 kV	≤ 1.4 kV (L-N) ≤ 1.5 kV (N-PE)	No	SP23-20K320V	SP23-20K-N
STPT23-20K320V-4PGM	83230129	230/400 VAC 277/400 VAC	320 V	20 kA	10 kA	10 kV	≤ 1.4 kV (L-N) ≤ 1.5 kV (N-PE)	Yes	SP23-20K320V	SP23-20K-N
<b>TNS (3Ph+N)</b>										
STPT23-20K150V-4P	83230130	120/208 VAC	150 V	20 kA	10 kA	10 kV	≤ 0.8 kV	No	SP23-20K150V	-
STPT23-20K150V-4PM	83230131	120/208 VAC	150 V	20 kA	10 kA	10 kV	≤ 0.8 kV	Yes	SP23-20K150V	-
STPT23-20K275V-4P-LF	83230136	230/400 VAC	275 V	20 kA	10 kA	10 kV	≤ 1.5 kV	No	SP23-20K275V-LF	-
STPT23-20K275V-4P-LFM	83230137	230/400 VAC	275 V	20 kA	10 kA	10 kV	≤ 1.5 kV	Yes	SP23-20K275V-LF	-
STPT23-20K320V-4P	83230132	230/400 VAC 277/400 VAC	320 V	20 kA	10 kA	10 kV	≤ 1.4 kV	No	SP23-20K320V	-
STPT23-20K320V-4PM	83230133	230/400 VAC 277/400 VAC	320 V	20 kA	10 kA	10 kV	≤ 1.4 kV	Yes	SP23-20K320V	-

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Surge-Trap® Pluggable STPT23 Series - 20kA

PRODUCT RANGE



SP23-20K320V

**Replacement cartridges**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>oc</sub>	U <sub>p</sub> at I <sub>n</sub>
<b>L-N</b>							
SP23-20K150V	83230001	120 VAC	150 V	20 kA	10 kA	10 kV	≤ 0.8 kV
SP23-20K275V-LF	83230003	230 VAC	275 V	20 kA	10 kA	10 kV	≤ 1.5 kV
SP23-20K320V	83230002	230 VAC 277 VAC	320 V	20 kA	10 kA	10 kV	≤ 1.4 kV
<b>N-PE</b>							
SP23-20K-N	83230000	Neutral	255 V	20 kA	10 kA	10 kV	≤ 1.5 kV

Surge-Trap® Monobloc STET23 Series - 20kA with EMI Filter PRODUCT RANGE



STET23-20K275V-SPM

**2 Poles**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	IL	Remote
<b>TT/TNS (1Ph+N)</b>								
STET23-20K150V-SPM	83230401	120 VAC	150 V	20 kA	10 kA	≤ 0.8 kV	20 A	Yes
STET23-20K275V-SPM	83230403	230 VAC	275 V	20 kA	10 kA	≤ 1.2 kV	20 A	Yes

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Surge-Trap® Monobloc STMT23 Series

PRODUCT RANGE



STMT23-20K275V-SP-SM

**2 Poles (Parallel)**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub> /MCOV	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>oc</sub>	MLV	U <sub>p</sub> at I <sub>n</sub>	Remote
<b>TT/TNS (1Ph+N)</b>									
STMT23-20K275V-SP-S	83230510	230 V	275 VAC 365 VDC	20 kA	10 kA	10 kV	≤ 1.4 kV (L-N) ≤ 1.4 kV (N-PE)	≤ 1.4 kV (L-N) ≤ 1.4 kV (N-PE)	No
STMT23-20K275V-SP-SM	83230511	230 V	275 VAC 365 VDC	20 kA	10 kA	10 kV	≤ 1.4 kV (L-N) ≤ 1.4 kV (N-PE)	≤ 1.4 kV (L-N) ≤ 1.4 kV (N-PE)	Yes
STMT23-6K150V-SP-S	83230502	120 V	150 VAC 200 VDC	6 kA	3 kA	6 kV	≤ 0.61 kV (L-N) ≤ 1.03 kV (N-PE)	≤ 0.7 kV (L-N) ≤ 0.9 kV (N-PE)	No
STMT23-6K150V-SP-SM	83230503	120 V	150 VAC 200 VDC	6 kA	3 kA	6 kV	≤ 0.61 kV (L-N) ≤ 1.03 kV (N-PE)	≤ 0.7 kV (L-N) ≤ 0.9 kV (N-PE)	Yes
STMT23-6K20V-SP-S	83230500	12 V	20 VAC 25 VDC	6 kA	3 kA	6 kV	≤ 0.22 kV (L-N) ≤ 0.67 kV (N-PE)	≤ 0.22 kV (L-N) ≤ 0.7 kV (N-PE)	No
STMT23-6K20V-SP-SM	83230501	12 V	20 VAC 25 VDC	6 kA	3 kA	6 kV	≤ 0.22 kV (L-N) ≤ 0.67 kV (N-PE)	≤ 0.22 kV (L-N) ≤ 0.7 kV (N-PE)	Yes
STMT23-6K30V-SP-S	83230504	24 V	30 VAC 36 VDC	6 kA	3 kA	6 kV	≤ 0.26 kV (L-N) ≤ 0.78 kV (N-PE)	≤ 0.22 kV (L-N) ≤ 0.7 kV (N-PE)	No
STMT23-6K30V-SP-SM	83230505	24 V	30 VAC 36 VDC	6 kA	3 kA	6 kV	≤ 0.26 kV (L-N) ≤ 0.78 kV (N-PE)	≤ 0.22 kV (L-N) ≤ 0.7 kV (N-PE)	Yes
STMT23-6K60V-SP-S	83230506	48 V	60 VAC 77 VDC	6 kA	3 kA	6 kV	≤ 0.48 kV (L-N) ≤ 0.93 kV (N-PE)	≤ 0.33 kV (L-N) ≤ 0.7 kV (N-PE)	No
STMT23-6K60V-SP-SM	83230507	48 V	60 VAC 77 VDC	6 kA	3 kA	6 kV	≤ 0.48 kV (L-N) ≤ 0.93 kV (N-PE)	≤ 0.33 kV (L-N) ≤ 0.7 kV (N-PE)	Yes
STMT23-6K75V-SP-S	83230508	60 V	75 VAC 100 VDC	6 kA	3 kA	6 kV	≤ 0.48 kV (L-N) ≤ 0.93 kV (N-PE)	≤ 0.5 kV (L-N) ≤ 0.9 kV (N-PE)	No
STMT23-6K75V-SP-SM	83230509	60 V	75 VAC 100 VDC	6 kA	3 kA	6 kV	≤ 0.48 kV (L-N) ≤ 0.93 kV (N-PE)	≤ 0.5 kV (L-N) ≤ 0.9 kV (N-PE)	Yes

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Surge-Trap® Signal - STS NET

PRODUCT RANGE



STS-NET-CAT5-1P

1 Pole

Catalog number	Item number	$U_n$	$U_c$	$I_n$ (8/20)	$U_p$ at $I_n$	IL	Bandwidth (fg)	Protected Wires	Connection type
<b>CAT 5</b>									
STS-NET-CAT5-1P	83040510	5 V	6 V	0.25 A	$\leq 35$ V	0.1 A	100 MHz	4 Pairs	RJ45
<b>CAT 6</b>									
STS-NET-CAT6-1P	83040520	5 V	6 V	0.25 A	$\leq 35$ V	0.1 A	250 MHz	4 Pairs	RJ45
STS-NET-CAT6-PoE-1P	83040525	5 V 48 V	6 V 55 V	0.25 A	$\leq 35$ V $\leq 130$ V	0.1 A 1 A	250 MHz	4 Pairs	RJ45

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Surge-Trap® Signal - STS PLC

PRODUCT RANGE



STS-PLC-30V-2W-C1

**2W**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	IL	Bandwidth (fg)	Protected Wires	Connection type
STS-PLC-30V-2W	83040220	24 V	30 V	5 kA	5 kA	≤ 45	0.3 A	3 MHz	2 Wires	Spring terminal
STS-PLC-30V-2W-C1	83040221	24 V	30 V	5 kA	5 kA	≤ 50	0.37 A	3 MHz	2 Wires	Spring terminal
STS-PLC-30V-2W-C2	83040222	24 V	30 V	5 kA	5 kA	≤ 60	0.35 A	3 MHz	2 Wires	Spring terminal
STS-PLC-30V-2W-C3	83040223	24 V	30 V	5 kA	5 kA	≤ 40	0.3 A	3 MHz	2 Wires	Spring terminal



STS-PLC-30V-4W1

**4W**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	IL	Bandwidth (fg)	Protected Wires	Connection type
STS-PLC-30V-4W1	83040211	24 V	30 V	5 kA	5 kA	≤ 120 V	0.5 A	2 MHz	4 Wires	Spring terminal

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Surge-Trap® Signal - STS 485

PRODUCT RANGE



STS485-7V-2W

**2W**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	IL	Bandwidth (fg)	Protected Wires	Connection type
STS485-7V-2W	83040111	6 V	7 V	10 kA	5 kA	≤ 10 V (L/L)	0.1 A	1 MHz	1 Pair	Terminal
STS485-16V-2W	83040112	12 V	16 V	10 kA	5 kA	≤ 20 V (L/L)	0.1 A	1.2 MHz	1 Pair	Terminal
STS485-27V-2W	83040113	24 V	27 V	10 kA	5 kA	≤ 40 V (L/L)	0.1 A	4 MHz	1 Pair	Terminal
STS485-56V-2W	83040114	48 V	56 V	10 kA	5 kA	≤ 70 V (L/L)	0.1 A	5 MHz	1 Pair	Terminal



STS485-5V-4WG

**WG**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	IL	Bandwidth (fg)	Protected Wires	Connection type
STS485-5V-4WG	83040120	5 V	5.2 V	10 kA	10 kA	≤ 30 V	0.45 A	60 MHz	2 Pairs + GND	Terminal



STS485-5K15V-3WI

**3WI**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	IL	Bandwidth (fg)	Protected Wires	Connection type
STS485-5K15V-3WI	83040100	12 V	15 V	10 kA	5 kA	≤ 45 V (L/L) ≤ 400 V (L-PE)	0.25 A	10 MHz	1 Pair + GND	Terminal

SURGE PROTECTION

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Surge-Trap® Signal - STS RF

PRODUCT RANGE



STS-RF-N

**RF**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Bandwidth (fg)	Impedance	Max. Power
<b>UHF (m-f)</b>									
STS-RF-N	83040715	24 V	230 V	20 kA	10 kA	≤ 600 V	3000 MHz	75 Ω (ohm)	100 W
<b>F (m-f)</b>									
STS-RF-F	83040725	24 V	230 V	20 kA	10 kA	≤ 600 V	2500 MHz	75 Ω (ohm)	100 W
<b>N (m-f)</b>									
STS-RF-UHF	83040735	24 V	230 V	20 kA	10 kA	≤ 600 V	3000 MHz	50 Ω (ohm)	150 W

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Surge-Trap® Signal - STS TEL

PRODUCT RANGE



STS-TEL-ADSL

**DIN RAIL**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	IL	Bandwidth (fg)	Protected Wires	Connection type
STS-TEL-ADSL	83040610	50 V	180 V	10 kA	5 kA	≤ 200 V	0.1 A	3 MHz	1 Pair	Terminal

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Surge-Trap® Pluggable STPT1+2 Series - 5kA PV

PRODUCT RANGE



STPT12-5K1000V-YPVM

**Large-scale and rooftop PV**

Catalog number	Item number	Number of poles/ phases	Ucpv	Iscpv	Iimp (10/350)	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No L-N
<b>YPV</b>										
STPT12-5K1000V-YPV	83120167	3	1060 VDC	10 kA	5 kA	40 kA	20 kA	≤ 4 kV	No	SP12-5K1000V-PV
STPT12-5K1000V-YPVM	83120168	3	1060 VDC	10 kA	5 kA	40 kA	20 kA	≤ 4 kV	Yes	SP12-5K1000V-PV
STPT12-5K1500V-YPV	83120193	3	1500 VDC	10 kA	5 kA	40 kA	15 kA	≤ 5 kV	No	SP12-5K1500V-PV
STPT12-5K1500V-YPVM	83120194	3	1500 VDC	10 kA	5 kA	40 kA	15 kA	≤ 5 kV	Yes	SP12-5K1500V-PV



STPT12-5K1000V-8YPVM

**Multipole for multiple MPPT inverters**

Catalog number	Item number	Number of poles/ phases	Ucpv	Iscpv	Iimp (10/350)	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No L-N
<b>Multiple MPPT</b>										
STPT12-5K1000V-5YPVM	83120192	5	1060 VDC	10 kA	5 kA	40 kA	20 kA	≤ 4 kV	Yes	SP12-5K1000V-PV
STPT12-5K1000V-8YPVM	83120190	8	1060 VDC	10 kA	5 kA	40 kA	20 kA	≤ 4 kV	Yes	SP12-5K1000V-PV



SP12-5K1000V-PV

**Replacement cartridges**

Catalog number	Item number	Ucpv	Iscpv	Iimp (10/350)	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>
SP12-5K1000V-PV	83120011	1060 VDC	10 kA	5 kA	40 kA	20 kA	≤ 4 kV
SP12-5K1500V-PV	83120023	750 VDC	10 kA	5 kA	40 kA	15 kA	≤ 2,5 kV

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Surge-Trap® Pluggable STPT2 Series - 40kA PV

PRODUCT RANGE



STPT2-40K1500V-YPVM

**Large-scale and rooftop PV**

Catalog number	Item number	Number of poles/phases	Ucpv	Iscpv	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No L-N
<b>Y PV</b>									
STPT2-40K600V-YPV	83020138	3	660 VDC	10 kA	40 kA	20 kA	≤ 2.6 kV	No	SP2-40K600V-PV
STPT2-40K600V-YPVM	83020139	3	660 VDC	10 kA	40 kA	20 kA	≤ 2.6 kV	Yes	SP2-40K600V-PV
STPT2-40K1000V-YPV	83020140	3	1060 VDC	10 kA	40 kA	20 kA	≤ 4 kV	No	SP2-40K1000V-PV
STPT2-40K1000V-YPVM	83020141	3	1060 VDC	10 kA	40 kA	20 kA	≤ 4 kV	Yes	SP2-40K1000V-PV
STPT2-40K1500V-YPV	83020158	3	1500 VDC	10 kA	40 kA	15 kA	≤ 5 kV	No	SP2-40K1500V-PV
STPT2-40K1500V-YPVM	83020159	3	1500 VDC	10 kA	40 kA	15 kA	≤ 5 kV	Yes	SP2-40K1500V-PV



STPT2-40K60V-2PM

**Self-consumption PV**

Catalog number	Item number	Number of poles/phases	Ucpv	Iscpv	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No L-N
<b>U PV</b>									
STPT2-40K60V-2P	83020128	2	65 VDC	1 kA	40 kA	20 kA	≤ 0.7 kV	No	SP2-40K60V
STPT2-40K60V-2PM	83020129	2	65 VDC	1 kA	40 kA	20 kA	≤ 0.7 kV	Yes	SP2-40K60V
STPT2-40K75V-2P	83020130	2	80 VDC	1 kA	40 kA	20 kA	≤ 0.8 kV	No	SP2-40K75V
STPT2-40K75V-2PM	83020131	2	80 VDC	1 kA	40 kA	20 kA	≤ 0.8 kV	Yes	SP2-40K75V



STPT2-40K1000V-8YPVM

**Multipole for multiple MPPT inverters**

Catalog number	Item number	Number of poles/phases	Ucpv	Iscpv	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>	Remote	Cartridge No L-N
<b>Multiple MPPT</b>									
STPT2-40K1000V-5YPVM	83020188	5	1060 VDC	10 kA	40 kA	20 A	≤ 4 kV	Yes	SP2-40K1000V-PV
STPT2-40K1000V-8YPVM	83020204	8	1060 VDC	10 kA	40 kA	20 A	≤ 4 kV	Yes	SP2-40K1000V-PV

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Surge-Trap® Pluggable STPT2 Series - 40kA PV

PRODUCT RANGE



SP2-40K1500V-PV

**Replacement cartridges**

Catalog number	Item number	Ucpv	Iscpv	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>p</sub> at I <sub>n</sub>
<b>PV</b>						
SP2-40K60V	83020008	65 VDC	1 kA	40 kA	20 kA	≤ 0.35 kV
SP2-40K75V	83020009	80 VDC	1 kA	40 kA	20 kA	≤ 0.4 kV
SP2-40K600V-PV	83020005	330 VDC	10 kA	40 kA	20 kA	≤ 1.3 kV
SP2-40K1000V-PV	83020006	530 VDC	10 kA	40 kA	20 kA	≤ 2 kV
SP2-40K1500V-PV	83020010	750 VDC	10 kA	40 kA	15 kA	≤ 2.5 kV

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Surge-Trap® Type 2+3 - for LED Lighting

PRODUCT RANGE



STLT23-10K320V-C12

**STL**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>oc</sub>	U <sub>p</sub> at I <sub>n</sub>	IL
<b>C12 (1Ph+N / 2Ph-Universal)</b>								
STLT23-10K320V-C12	83230302	230 VAC	320 V	10 kA	5 kA	10 kV	≤ 1.5 kV (L-N) ≤ 1.8 kV (L/N-GND)	10 A
<b>C2 (1Ph+N)</b>								
STLT23-10K320V-C2-WD	83230323	230 VAC	320 V	10 kA	5 kA	10 kV	≤ 1.5 kV (L-N)	2.5 A
<b>C4 (1Ph+N)</b>								
STLT23-10K320V-C4-WD	83230322	230 VAC	320 V	10 kA	5 kA	10 kV	≤ 1.5 kV (L-N) ≤ 1.8 kV (N-PE)	2.5 A



STLBT23-20K275V-C4-DD

**STLB**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>oc</sub>	U <sub>p</sub> at I <sub>n</sub>	IL
<b>C4 (1Ph+N)</b>								
STLBT23-20K275V-C4-DD	83230321	230 VAC	275 V	20 kA	10 kA	20 kV	≤ 1.5 kV (L-N) ≤ 1.8 kV (N-PE)	2.5 A

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Surge-Trap® Monobloc STMT23 Series for fusebox

PRODUCT RANGE



STMT23-10K320V-SP-SF

**2 Poles (Series/Parallel) for Fusebox**

Catalog number	Item number	U <sub>n</sub>	U <sub>c</sub>	I <sub>max</sub> (8/20)	I <sub>n</sub> (8/20)	U <sub>oc</sub>	U <sub>p</sub> at I <sub>n</sub>
<b>C4 (1Ph+N)</b>							
STMT23-10K320V-SP-SF	83230512	230 VAC	320 V	10 kA	5 kA	10 kV	≤ 1.5 kV (L-N) ≤ 1.8 kV (N-PE)

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Surge-Trap® PCB Socket

PRODUCT RANGE



SB-PCB-1000PV-M

**Photovoltaic (DC)**

Catalog number	Item number	Ucpv	Remote	Cartridge No L-N
SB-PCB-1000PV-M	83050133	1000 VDC	Yes	SP2-40K1000V-PV
SB-PCB-1500PV-M	83050135	1500 VDC	Yes	SP2-40K1500V-PV



SB-PCB-275V-M

**AC**

Catalog number	Item number	Uc	Remote	Cartridge No L-N
SB-PCB-275V-M	83050119	275 V	Yes	SP2-40K275V
SB-PCB-320V-M	83050121	320 V	Yes	SP2-40K320V
SB-PCB-440V-M	83050123	440 V	Yes	SP2-40K440V
SB-PCB-750V-M	83050127	750 V	Yes	SP2-30K750V

SURGE PROTECTION

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