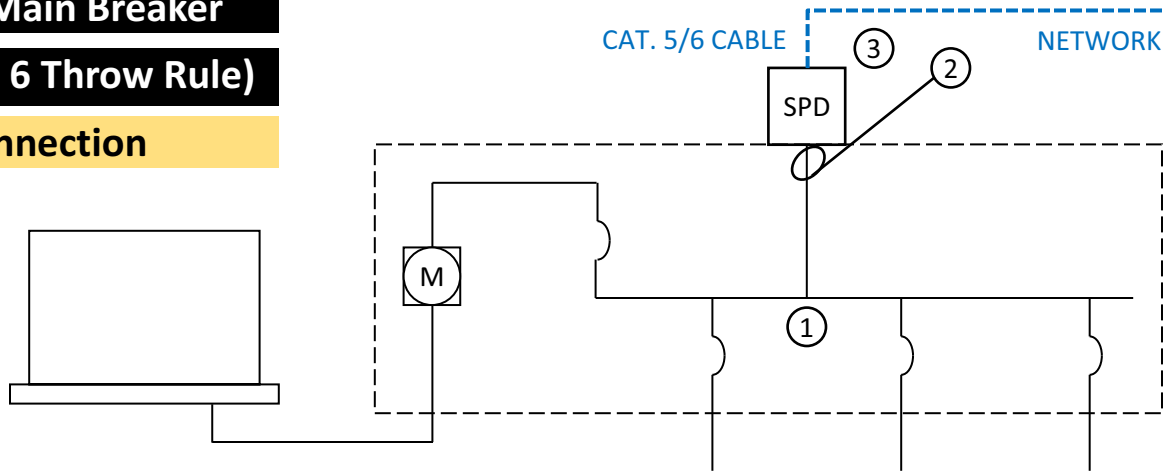


TransGuard (TG3) SPD for Switchboards & Panelboards

Load Side of the Main Breaker

(No CB Available or 6 Throw Rule)

Direct Bus Connection



SHEET NOTES

- ① SWITCHGEAR MANUFACTURER TO INSTALL TAP LUGS AS FOLLOWS:
FOR PANEL 1000 A - 3000 A, INSTALL #2 AWG TAP LUGS.
FOR PANEL 200 A - 800 A, INSTALL #6 AWG TAP LUGS.
- ② FOR PANEL 1000 A - 3000 A, USE 4 #2 AWG & 1 #2 AWG GROUND.
FOR PANEL 200 A - 800 A, USE CURRENT TECHNOLOGY HPI-6Y.
- ③ SURGE PROTECTION DEVICE EXTERNALLY MOUNTED IN NEMA 4/12 ENCLOSURE WITH INTEGRAL DISCONNECT SWITCH. 15 YEAR WARRANTY.
UL 1449 4TH EDITION LISTED, TYPE 1. $I_{NOMINAL} = 20 \text{ KA}$, MCOV AT LEAST 115% OF NOMINAL.
TESTED PERFORMANCE PER MODE SHALL BE AS FOLLOWS. SURGE CURRENT CAPACITY: (Insert from Column A below).
REPETITIVE IMPULSE CAPACITY: (Insert from Column B below).
SUBMIT TESTING DOCUMENTATION: SURGE CURRENT CAPACITY AND REPETITIVE IMPULSE CAPACITY.
NETWORK-BASED MONITORING SYSTEM. STATUS, PERFORMANCE AND POWER QUALITY MONITORING THROUGH THE FACILITY'S NETWORK VIA A WEBSERVER. NO SOFTWARE IS REQUIRED.
AFTER INSTALLATION, USE A PORTABLE SURGE GENERATOR/TEST SET TO CONFIRM THE OPERABILITY OF ALL SPD COMPONENTS AND THE PRESENCE OF A NEUTRAL-TO-GROUND BOND. MEASURE AND RECORD ALL LET-THRU VOLTAGES AND SUBMIT THE REPORT TO THE ENGINEER.
CURRENT TECHNOLOGY MODEL (Insert from chart below).

Product Application		
Source Current Rating	Surge Current Capacity per Mode (x2 per Phase)	
	Single Service Entrance	Multiple Service Entrances*
3000 A (and Above)	300 kA	200 kA
2500 A	250 kA	200 kA
2000 A	200 kA	150 kA
1600 A	150 kA	125 kA
1000 A - 1200 A	125 kA	125 kA
800 A	100 kA	80 kA
400 A - 600 A	80 kA	50 kA
200 A	50 kA	50 kA

* Multiple Service Entrances to be understood as one feed from a utility substation feeding multiple (i.e., more than one) utility transformers and/or utility meters for their respective Service Entrance sections.

Application Specific Performance and Model Numbers

COLUMN A	COLUMN B	480Y/277 V Systems	208Y/120 V Systems
Surge Current Capacity per Mode (x2 per phase)	Repetitive Impulse Capacity per Mode	Type 1 Direct Bus Connection	Type 1 Direct Bus Connection
300 KA	11,000	TG3-300-480-3Y-MDB-M4E-F	TG3-300-208-3Y-MDB-M4E-F
250 KA	10,000	TG3-250-480-3Y-MDB-M4E-F	TG3-250-208-3Y-MDB-M4E-F
200 KA	9,000	TG3-200-480-3Y-MDB-M4E-F	TG3-200-208-3Y-MDB-M4E-F
150 KA	8,000	TG3-150-480-3Y-MDB-M4E-F	TG3-150-208-3Y-MDB-M4E-F
125 KA	7,500	TG3-125-480-3Y-MDB-M4E-F	TG3-125-208-3Y-MDB-M4E-F
100 KA	7,000	TG3-100-480-3Y-MNB-M4E-F	TG3-100-208-3Y-MNB-M4E-F
80 KA	6,000	TG3-080-480-3Y-MNB-M4E-F	TG3-080-208-3Y-MNB-M4E-F
50 KA	5,000	TG3-050-480-3Y-MNB-M4E-F	TG3-050-208-3Y-MNB-M4E-F

For other voltage configurations and options, see the SL3 Series Product Configuration Guide