

**Project Specific Application Chart**

Source Current Rating	SL3 Series Service Entrance Section (SES), Main Panel		TG3 Series Switchboards, Panelboards		CG Series NEC Compliance, TI, Design Build
	Tested Surge Current Capacity per Mode (x2 per Phase)		Tested Surge Current Capacity per Mode (x2 per Phase)		Tested Surge Current Capacity per Mode (x2 per Phase)
	Single SES	Multiple SES*	W/O Upstream SPD	With Upstream SPD	
3000 A (and Above)	300 kA	200 kA	300 kA	150 kA	200 kA
2500 A	250 kA	200 kA	250 kA	125 kA	200 kA
2000 A	200 kA	150 kA	200 kA	100 kA	200 kA
1600 A	150 kA	125 kA	150 kA	80 kA	150 kA
1000 A - 1200 A	125 kA	125 kA	125 kA	80 kA	120 kA
800 A	100 kA	80 kA	100 kA	50 kA	100 kA
400 A - 600 A	80 kA	50 kA	80 kA	50 kA	80 kA
200 A	50 kA	50 kA	50 kA	50 kA	60 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.

**Project Specific SPD Model Number Selection Guide**

Surge Current Capacity (per Mode)	System Voltage*	SL3 Series	TG3 Series	CG Series	Connection Information	
					Circuit Breaker Size	Conductor Size
300 kA	480Y/277 V	SL33004803YMDTM4F	TG33004803YMDTM4F		100 A	#2
	208Y/120 V	SL33002083YMDTM4F	TG33002083YMDTM4F			
250 kA	480Y/277 V	SL32504803YMDTM4F	TG32504803YMDTM4F		100 A	#2
	208Y/120 V	SL32502083YMDTM4F	TG32502083YMDTM4F			
200 kA	480Y/277 V	SL32004803YMDTM4F	TG32004803YMDTM4F	CG2002774803GY	100 A	#2
	208Y/120 V	SL32002083YMDTM4F	TG32002083YMDTM4F	CG2001202083GY		
150 kA	480Y/277 V	SL31504803YMDTM4F	TG31504803YMDTM4F	CG1502774803GY	100 A	#2
	208Y/120 V	SL31502083YMDTM4F	TG31502083YMDTM4F	CG1501202083GY		
125 kA	480Y/277 V	SL31254803YMDTM4F	TG31254803YMDTM4F	CG1202774803GY	100 A	#2
	208Y/120 V	SL31252083YMDTM4F	TG31252083YMDTM4F	CG1201202083GY		
100 kA	480Y/277 V	SL31004803YMNTM4FHPI	TG31004803YPNTM4FHPI	CG1002774803GYHPI	60 A	#6 HPI
	208Y/120 V	SL31002083YMNTM4FHPI	TG31002083YPNTM4FHPI	CG1001202083GYHPI		
80 kA	480Y/277 V	SL30804803YMNTM4FHPI	TG30804803YPNTM4FHPI	CG0802774803GYHPI	60 A	#6 HPI
	208Y/120 V	SL30802083YMNTM4FHPI	TG30802083YPNTM4FHPI	CG0801202083GYHPI		
50 kA	480Y/277 V	SL30504803YMNTM4FHPI	TG30504803YPNTM4FHPI	CG0602774803GYHPI	30 A	#10 HPI
	208Y/120 V	SL30502083YMNTM4FHPI	TG30502083YPNTM4FHPI	CG0601202083GYHPI		

\* For model numbers for other voltages and configurations, see the "Product Configuration Guides" for the respective series in the DAM Binder.

**SPD Sheet Notes**

SL3 Series	TG3 Series	CG Series
<p><b>TEMPORARY OVERVOLTAGE PROTECTION SPD. UL1449 4<sup>TH</sup> EDITION LISTED, TYPE 1, I<sub>nominal</sub> = 20kA. INSTALL EXTERNAL TO GEAR. NEMA 4/12 ENCLOSURE. SURGE CURRENT RATING TO BE A TESTED VALUE. 20 YEAR WARRANTY. NETWORK-BASED MONITORING SYSTEM. INSTALLED TESTING WITH A PORTABLE SURGE GENERATOR-TEST SET. RECORD ALL LET-THRU VOLTAGES. SUBMIT A REPORT TO THE ENGINEER. CURRENT TECHNOLOGY (Insert model number).</b></p>	<p><b>SURGE PROTECTION DEVICE. UL1449 4<sup>TH</sup> EDITION LISTED, TYPE 1, I<sub>nominal</sub> = 20kA. INSTALL EXTERNAL TO GEAR. NEMA 4/12 ENCLOSURE. SURGE CURRENT RATING TO BE A TESTED VALUE. 15 YEAR WARRANTY. NETWORK-BASED MONITORING SYSTEM. INSTALLED TESTING WITH A PORTABLE SURGE GENERATOR-TEST SET. RECORD ALL LET-THRU VOLTAGES. SUBMIT A REPORT TO THE ENGINEER. CURRENT TECHNOLOGY (Insert model number).</b></p>	<p><b>SURGE PROTECTION DEVICE. UL1449 4<sup>TH</sup> EDITION LISTED, TYPE 1, I<sub>nominal</sub> = 20kA. INSTALL EXTERNAL TO GEAR. NEMA 4/12 ENCLOSURE. SURGE CURRENT RATING TO BE A TESTED VALUE. 10 YEAR WARRANTY. STATUS LIGHTS, FORM C CONTACTS, AUDIBLE ALARM. INSTALLED TESTING WITH A PORTABLE SURGE GENERATOR-TEST SET. RECORD ALL LET-THRU VOLTAGES. SUBMIT A REPORT TO THE ENGINEER. CURRENT TECHNOLOGY (Insert model number).</b></p>

**SPD Product Performance/Differentiation Chart**

Specification Parameter	SL3 Series Service Entrance Section (SES)	TG3 Series Switchboards and Panelboards	CG Series NEC Compliance, TI, Design Build	Typical MOV-Only Based Devices
<b>Protects from &amp; survives temporary over voltages</b> (Identified by all industry groups, e.g., IEEE, UL as the main cause of SPD failure.)	Yes	No	No	No
<b>SPD has been tested to surge current rating</b> (Confirms SPD's real surge current capacity. Not just a summation of ratings of components.)	Yes	Yes	Yes	No
<b>SPD has been tested to repetitive impulse rating</b> (Confirms product's capacity to provide long-term reliability for protection of equipment.)	Yes	Yes	Yes	No
<b>Network-based monitoring system</b> (To remotely quantify protection availability and to identify and document power-related events.)	Yes	Yes	No	No
<b>High performance interconnect (HPI) cable</b> (For best protection/lowest let-through voltage for equipment in the facility.)	Yes	Yes	Yes	No
<b>Installed start-up and testing of SPD</b> (Verifies installation, presence of a N-G bond and establishes baseline ratings of installed SPD.)	Yes	Yes	Yes	No
<b>Integral Test Point</b> (Provides ability to test component condition to identify degradation prior to, or at, end of life.)	Yes	Yes	Yes	No
<b>Published Warranty</b>	<b>20 Years</b>	<b>15 Years</b>	<b>10 Years</b>	<b>10 Years</b>

**Dimensions and Weights (For SPD Products as Identified in the Selection Chart)**

Surge Current Capacity (per Mode)	SL3 Series			TG3 Series			CG Series		
	Model	Dimensions (H X W x D)	Weight (lbs.)	Model	Dimensions (H X W x D)	Weight (lbs.)	Model	Dimensions (H X W x D)	Weight (lbs.)
300 KA	SL3300	32" x 22" x 12"	88	TG3300	24" x 16" x 9.2"	50			
250 KA	SL3250	32" x 22" x 12"	87	TG3250	24" x 16" x 9.2"	50			
200 KA	SL3200	32" x 22" x 12"	86	TG3200	24" x 16" x 9.2"	48	CG200	14" x 12.75" x 6.3"	40
150 KA	SL3150	32" x 22" x 12"	85	TG3150	24" x 16" x 9.2"	46	CG150	14" x 12.75" x 6.3"	40
125 KA	SL3125	32" x 22" x 12"	85	TG3125	24" x 16" x 9.2"	46	CG120	14" x 12.75" x 6.3"	40
100 KA	SL3100	16" x 16" x 9.2"	43	TG3100	14" x 12.75" x 6.6"	18	CG100	14" x 12.75" x 6.3"	40
80 KA	SL3080	16" x 16" x 9.2"	42	TG3080	14" x 12.75" x 6.6"	17	CG080	10" x 8.75" x 6.3"	30
50 KA	SL3050	16" x 16" x 9.2"	42	TG3050	14" x 12.75" x 6.6"	17	CG060	10" x 8.75" x 6.3"	30

