

# TL SERIES

- Our full featured SPD that incorporates high-energy MOVs with the best performing AC filter on the market to provide protection against externally and internally generated transients and noise



## DESIGN FEATURES

- ANSI/IEEE C62.41 Location C, & B
- SPD according to IEC 61643-1 Class I, II
- Ideal for mounting next to switchgear, MCCs, distribution panels, and branch panels
- High energy fail-safe parallel hybrid design with component level fusing
- Solid-state bi-directional protection

UL 1449 3rd Edition 6KV/3KA VPL (Voltage Protection Level)

Model Number	System Configuration	MCOV Uc	UL Voltage Protection Ratings			
			L - N	N - G	L - G	L - L
GS-TLXXX-1P240	1Ø, 240v; 2W+G	320V	1000	1000	1000	1800
GS-TLXXX-1S240	1Ø, 120/240v; 3W+G	150V	700	700	700	1000
GS-TLXXX-3Y208	3Ø 120/208v wye; 4W+G	150V	700	700	700	1000
GS-TLXXX-3Y380	3Ø 220/380v wye; 4W+G	320V	1000	1000	1000	1800
GS-TLXXX-3Y480	3Ø 277/480v wye; 4W+G	320V	1000	1000	1000	1800
GS-TLXXX-240D	3Ø 240v Delta	320V	N/A	1000	N/A	1800
GS-TLXXX-240H	3Ø 240V Delta High Leg	150V L-N 275V H-N	700 1000	700 1000	1000	1000 1800
GS-TLXXX-380D	3Ø 380v Delta	550V	N/A	1800	N/A	3000
GS-TLXXX-480D	3Ø 480v Delta	550V	N/A	1800	N/A	3000

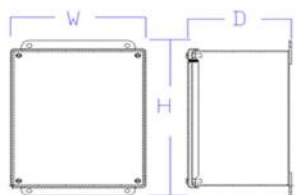
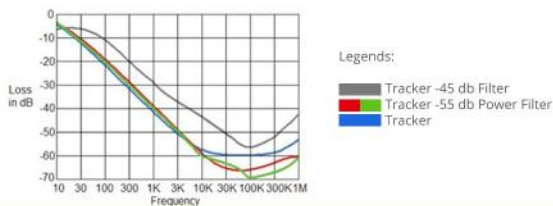
### MODEL SELECTION GUIDE

Surge Current	Voltage Code	Option
120	1P240 (Single phase 240)	F- -45 dB Transient filter
600	1S240 (Split phase 240)	FA- -55 dB Advanced Power filter
200	3Y208 (120/208Y)	C- Resettable surge counter
250	3Y380 (220/380Y)	A- Alarm, audible, Red LED
300	3Y480 (277/480Y)	Remote relay contacts
400	240D (240Δ Delta)	R- Dry relay contacts
420	380D (380Δ Delta)	
	480D (480Δ Delta)	
	240H (240Δ Delta High-leg)	

Part Number Example: GS-TL-200-3Y380-F-C-A

## PERFORMANCE

- Surge currents per phase (Imax): 120, 160, 200, 250, 320, 400, 420kA
- Nominal discharge surge current In: 60, 80, 100, 125, 160, 200, 210kA
- Regulatory Listings: UL 3rd Edition Certified, Type 2 SPD; CE Marked
- All mode protection: L-G, L-N, N-G, L-L
- 200kAIC fault current rating
- Green LED fault indicators for each phase
- Response time: Less than .5 nanoseconds
- Life Cycle Tested: 7,000 Cat. C3 High Exposure Impulses with ≤ 4% degradation
- Operating frequency: 47-400Hz; Operating temperature: -40C to +70C
- Advanced EMI Filter frequency range: -45dB at 3kHz to 1MHz
- Enclosure: NEMA 12 (IP52); Painted Steel
- Pre-wired with #10AWG leads
- Size: -11.5 x 8 x 6 (292x203x157.5mm); Weight: 30lbs/13.5kg



#### DIMENSIONAL SPECIFICATIONS

Dim	Value	Code
H3	11.50	(292.8)
W1	8.00	(203.2)
D	6.20	(157.5)

All measurements in inches (mm)



WE ARE CONSTANTLY SEEKING TO IMPROVE OUR PRODUCTS AND SPECIFICATIONS ARE SUBJECT TO CHANGE AT ANY TIME.



**GLOBAL SOLUTIONS**  
Limited Liability Company  Export/Import & Distribution Development

**Tracker**  
Surge Protection Device