

# Surge-Trap® STLC Series

Surge Protective Device

POWER LINE SPD - NEMA UL CSA TYPE 1

LOAD CENTER MOUNT FOR UL 1449 TYPE 1 AND 2 APPLICATIONS



Mersen's Surge-Trap® STLC surge protective device adds a critical layer of surge protection for your entire home. The STLC series installs in just minutes and stands out for its versatile design, having been tested to fit a wide range of load centers from various manufacturers. The STLC Series is designed with Mersen's TPMOV® technology to ensure superior safety and reliability. Listed UL 1449 5th Edition Type 1 SPD and satisfies latest NEC requirement for surge protection for residential dwellings.

## Technical Data Overview

Part Number	STLC240S025
Surge Current Rating (per phase and per mode)	25kA
System Voltage	120/240VAC Split Phase
Nominal Discharge Current Rating ( $I_n$ )	10kA
Short-Circuit Current Rating (SCCR)	10kA (tested to 100kA)
Nominal power frequency	50 Hz or 60 Hz
Response Time	Less than 1 nanosecond (one per phase)
Status Indicator	LED: ON = Good - OFF = Replace
Maximum Continuous Operating Voltage (MCOV, $U_c$ )	L-N: 150; L-L: 300
Voltage Protection Rating (VPR) (UL 1449, 6kV, 3kA)	L-N: 600; L-L: 1000
Ambient Temperature Rating	-20 ... 65°C

## FEATURES/BENEFITS

- Designed with industry leading Mersen TPMOV® technology
- Installs directly into load center bus bar, utilizing any (two) open adjacent breaker slots
- Versatility: fits into most residential load centers with 1" spacings (see next page for compatibility list)
- 2 modes of protection (L-N, L-L)
- 3-year manufacturer's warranty, plus up to \$25k connected equipment warranty

## APPLICATIONS

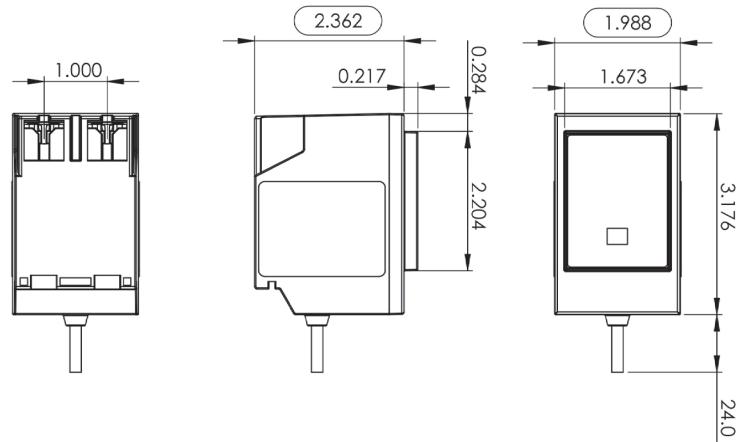
- 120/240VAC residential load centers

## APPROVALS/STANDARDS

- ANSI/UL 1449 5th Edition, Type 1 SPD, File E517916
- RoHS Compliant



## DIMENSIONS



## COMPATIBILITY CHART

Brand	Load Center	Circuit Breaker Type
Eaton	BR Series (prefix 1BR or B in the catalog number)	BR215....BR250, BR, 2P, 120/240 V AC, 15A... 50A
Siemens Industry, Inc.	PL Series (prefix P or PW in the catalog number)	Q215 ... Q250 , 0P, 2P, 120/240VAC, 15A... 50A
	ES Series (prefix S or SW in the catalog number)	Q215 ... Q250 , 0P, 2P, 120/240VAC, 15A... 50A
	EQ Series (prefix E in the catalog number)	Q215 ... Q250 , 0P, 2P, 120/240VAC, 15A... 50A
Murray/Siemens Industry, Inc.	LC Series (prefix LC or LW in the catalog number)	MP215 ... MP250, MP, 2P, 120/240VAC, 15A... 50A
ABB/General Electric	Powermark Gold series (prefix TL, TM or TP in the catalog number)	THQL215 ... THQL250, 2P, 120/240 V AC, 15 ... 50 A
Schneider Electric USA Inc./Square D Co.	Homeline series (prefix HOM in the catalog number)	HOM215 ... HOM250, 2P, 120/ 240 V AC, 15 ... 50 A