Advanced AC Main & Sub Panel Silicon Surge Protection

Transtectors SDA Series protects electronic equipment and systems for communications, industrial and medical applications at the AC main and branch service panels. The SDA Series features our proprietary Silicon Avalanche Suppressor Diode Technology for effective safeguarding and maximized system performance. Your success demands a superior protection solution provided by Transtector Systems.
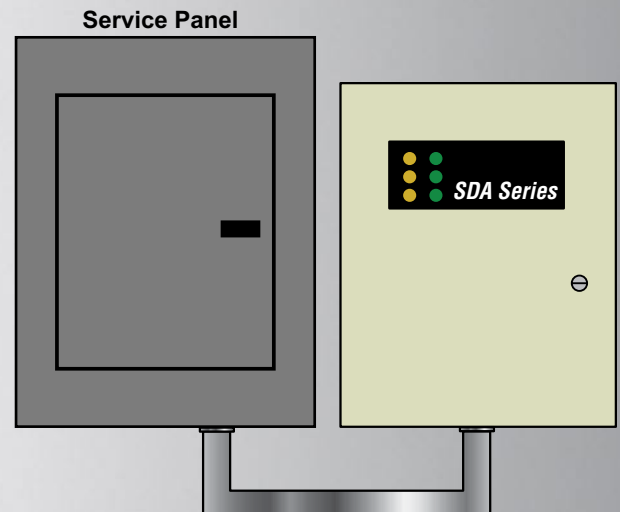
TRANSTECTOR

Applications

- Electronic Equipment and Systems
- Main and Branch AC Service Panels
- Medical
- Industrial
- Communications MTSO and Host CO

Service Panel

SDA Series

SDA Series
Advanced AC Main & Sub Panel Silicon Surge Protection

smiths

Features

- High speed, high current, solid state devices

- Continuous bipolar, bidirectional, non-interrupting protection

- Instant automatic reset with no degradation in production capabilities

- Made with 100% Silicon Avalanche Suppressor Diodes

- Installed in parallel with the load

- Contained in NEMA Type 4 max enclosure

- Amber lights on the front of the enclosure illuminate to indicate the suppressor is operational and power is applied

SDA Series

Configurations

Service Frequency	50/60 Hz
Operating Temperature	-30º C to +65º C
Response Time (Max.)	<5 Nanoseconds

Warranty   Five (5) year unconditional warranty
Ten (10) year manufacturer warranty

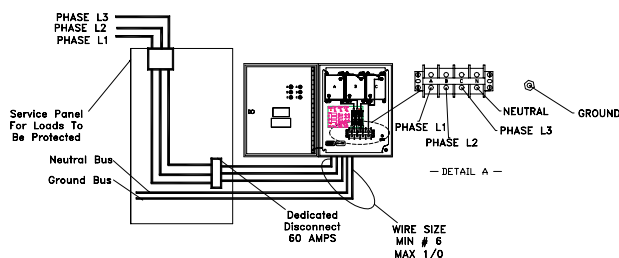**Dimensions**   20"h X 16"w X 6.88"d
50.8cm x 40.6cm x 17.48cm

c **UL** us

Configurations & Specifications

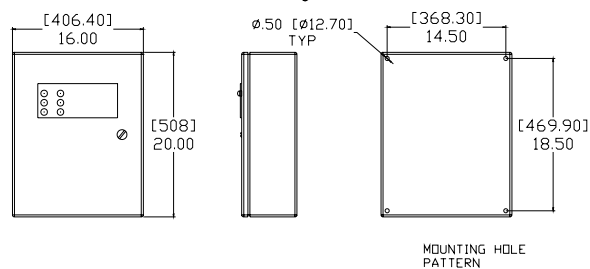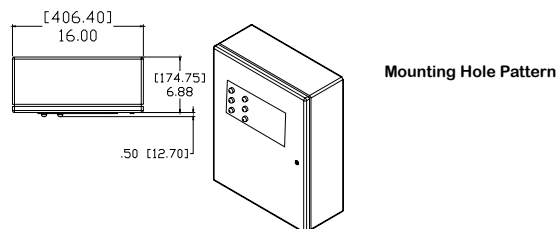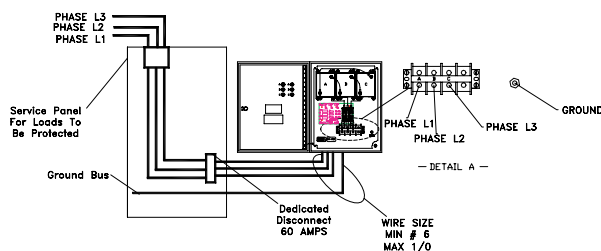| SDA Model	SDA 10K 277W	SDA 10K 480D
Nominal Service Voltages	277/480V	480V
Voltage Protection Levels*	1200V	1200V
Surge Current Ratings**	$\geq$ 20kV 10kA	$\geq$ 20kV 10kA
IEEE Location Category & Exposure Rating**	C3	C3
Part Number	1101-429	1101-438

* Voltage protection level determined at 6kV 500A.
** Waveform, location category and exposure rating per IEEE/ANSI C62.41-1991.

Wiring Configurations SDA 277 5K and 10K

Wiring Configuration for SDA 480 5k and 10k

Mounting Hole Pattern

TRANSTECTOR®

SUPERIOR SURGE SUPPRESSION

1451-010 Rev. C