

MTS SERIES



The MTS Series consolidates AC power service components into a single enclosure: combining a manual transfer switch with a CamLok style connector panel and optional Strikesorb® transient voltage surge suppressor. The MTS Series installs quickly and saves valuable site space while providing UL Listed reliability and 65k AIC rating. The MTS Series may be located on an H-frame or wall.

Power source switching is available from a mechanically interlocked manual transfer switch. The MTS Series is UL 891 Listed for 200 amp single phase or three phase applications. The main source “utility” breaker is rated 65 kAIC, while the alternate “generator” source breaker is rated 10 kAIC. Both Square D breakers offer the “push-to-trip” red dot test feature. The mechanical transfer switch is constructed of 14-gauge steel and prevents both main circuit breakers—the utility and generator sources—from being closed at the same time. To protect connected equipment, the MTS Series offers optional surge protection to safeguard critical loads from transients and load transfer spikes using Strikesorb surge suppression. Strikesorb incorporates state of the art technological developments that provide superior protection characteristics, which remain unchanged throughout its long service life. It is designed to withstand repeated surges providing cost-effective and maintenance-free operation in demanding environments. Critical loads are never left unprotected, as Strikesorb will operate to a short circuit and trip the main disconnect breaker in the event of a long duration, potentially catastrophic overvoltage event.

Lightweight and corrosion-resistant, this aluminum cabinet series is UL 50 Type 3R rated. A stainless steel reinforced gasket “grips” the metal flange inside of the panel to provide a three-point seal for strengthened weatherproofing. The enclosure is factory punched for ease of installation. MTS Series panels are shipped with UL-recognized plugs to maintain the enclosure’s Type 3R rating. Knockouts outline the back of the panel to simplify routing of power and grounding cables. A pad-lockable door prevents unauthorized access.

While standard designs are for 200 amp applications, custom designs are available for 60 amps to 400 amps.

For a custom quotation, contact Intersect at solutions@intersectinc.com.

MTS SERIES

SERIES NUMBER	PRODUCT CONFIGURATION
MTS12200-ICGC	240/120;1Ø; 200 amp MTS with Cam-Lok style connector panel
MTS33200-ICGC	208/120;3Ø; 200 amp MTS with Cam-Lok style connector panel
MTS-SS-12200-ICGC	240/120;1Ø; 200 amp MTS with Cam-Lok style connector panel and Strikesorb
MTS-SS-33200-ICGC	208/120;3Ø; 200 amp MTS with Cam-Lok style connector panel and Strikesorb

CAM-LOK STYLE CONNECTOR PANEL

STANDARD	Left mount, Cam-Lok style connector
OPTIONAL	Right mount, (add suffix “-R” to Series number), Cam-Lok style connector

TRANSFER DEVICE

Type

- Mechanical interlock – “break before make”

GENERAL DATA

Enclosure weight and dimensions

- 50 lbs (approximate)
- 32” H x 32” W (with Camlok enclosure) x 10” D

Enclosure

- UL 50 Type 3R rated
- 0.125” thick aluminum

Powder coat paint Powder coat paint

Ultra Light Gray Polyester

Door

- 3-point latching system with 3-point seal
- Pad-lockable

UL certification

- UL 50 – Enclosure for electrical equipment
- UL 891 rated for service or main disconnect applications

Manufacturer's warranty

- 5 years

SUPPRESSION TECHNOLOGY (OPTIONAL)

Technology type

- Strikesorb 40-A1, 120 V modules

Surge Protection Levels

Response time

- <1 ns

Maximum surge current

- Surge current, i_{max} (8/20) NEMA LS-1:140 kA
- Lightning current, i_{imp} (10/350) IEC 61643-1:7.5 kA

Let through voltage level Let through voltage level

- For surge current 10 kA (8/20) IEEE C62.41-1: 435 V - actual surge current through
- Strikesorb

Long duration surge performance

- 500 A square waveform 2 ms IEEE C62.11:250 hits

Voltage protection rating (VPR) ting (VPR)

- 600 V per UL 1449 3rd edition

Short Circuit Current Rating

- Tested for safe installation behind a 4000 A Class L time delay fuse at available fault current 200 kA
- 3-cycle testing at 85 kA

Standards Compliance

- IEEE C62.41, IEEE C62.45, IEEE C62.11, NEMA LS-1
- IEC 61643-1 ed 2:2005, EN 61642-A11:2005, IEC 61643-12

Listings

- UL 1449 3rd Edition (or current), CE, VDE