

# CLASS T 300 & 600 Volt Fuse Blocks

## 300 & 600V Class T Fuse Blocks

Mersen Class T fuse blocks accommodate Class T fuses up to 600A. Insulators are either durable, glass-filled polycarbonate (GFPC) or phenolic with verified dielectric strength in excess of 2500V. Mersen is the only manufacturer to offer Class T blocks with copper connectors.

### Features/Benefits:




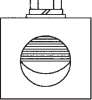



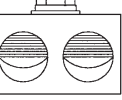


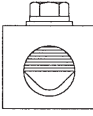
- Unique integral DIN-rail adapters for 600V, 30 & 60A blocks
- Full barrier design (30 & 60A) increases pole to pole safety
- Unique adder-block design (30 & 60A) for design flexibility
- Spring reinforcing standard for all 30 & 60A clips
- Features high conductivity copper alloy fuse clips
- Cool running high amperage (100 - 600A) connectors
- Copper connectors available 30 - 600A

### Recommended Fuse Usage:

Class T Blocks (300V) use with A3T

Class T Blocks (600V) use with A6T

### Clip & Connector Types

| Spring Reinforced 30A & 60A Clips                                                                               | Connectors for Spring Reinforced 30A & 60A Clips                                                                | Connectors                                                                                                | Connectors                                                                                       |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 300V - 30A<br>600V - 30A<br> | 30A - 60A Box<br>            | 100A Box Side Clip<br> | 400A Box<br> |
| 300V - 60A<br>               | 30A - 60A Screw<br>          | 100A Box<br>           | 600A Box<br> |
| 600V - 60A<br>               | 30A - 60A Pressure Plate<br> | 200A Box<br>           |                                                                                                  |



### Ratings:

**Volts** : 300VAC / DC

: 600VAC / DC

**Amps** : 30A, 60A, 100A, 200A, 400A, 600A

**SCCR** : 200kA

### Approvals:

- All fuse blocks meet the requirements of UL 4248
- UL listed, guide IZLT, File E52283
- UL recognized component guide IZLT2, file E52283
- CSA certified class 6225, File 32169



# CLASS T 300 & 600 Volt Fuse Blocks

## 300 Volt, 30 & 60 Ampere Class T Fuse Blocks

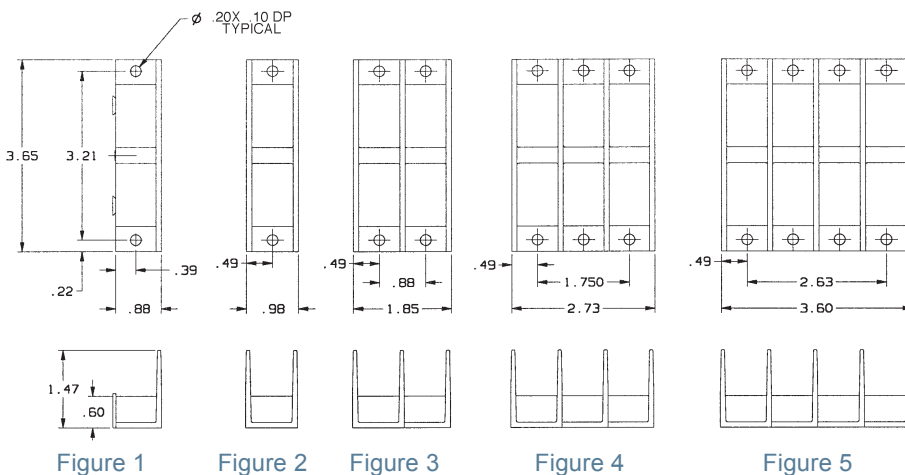
| Ampere Rating           | Poles | Connector      |                | Catalog No. | Fig. | Connector Torque In - lb |
|-------------------------|-------|----------------|----------------|-------------|------|--------------------------|
|                         |       | Type           | Wire Range     |             |      |                          |
| 30<br>GFPC<br>Insulator | ADDER | Box            | Al/Cu<br>#2-14 | 30305T      | 1    | 35                       |
|                         | 1     |                |                | 30306T      | 2    |                          |
|                         | 2     |                |                | 30307T      | 3    |                          |
|                         | 3     |                |                | 30308T      | 4    |                          |
|                         | 4     |                |                | 30309T      | 5    |                          |
|                         | ADDER | Screw          | Cu<br>#10-14   | 30315T      | 1    | 20                       |
|                         | 1     |                |                | 30316T      | 2    |                          |
|                         | 2     |                |                | 30317T      | 3    |                          |
|                         | 3     |                |                | 30318T      | 4    |                          |
|                         | 4     |                |                | 30319T      | 5    |                          |
|                         | ADDER | Pressure Plate | Cu<br>#10-14   | 30325T      | 1    | 20                       |
|                         | 1     |                |                | 30326T      | 2    |                          |
|                         | 2     |                |                | 30327T      | 3    |                          |
|                         | 3     |                |                | 30328T      | 4    |                          |
|                         | 4     |                |                | 30329T      | 5    |                          |
|                         | ADDER | Box            | Cu*<br>#4-14   | 30355T      | 1    | 35                       |
|                         | 1     |                |                | 30356T      | 2    |                          |
|                         | 2     |                |                | 30357T      | 3    |                          |
|                         | 3     |                |                | 30358T      | 4    |                          |
|                         | 4     |                |                | 30359T      | 5    |                          |
| ADDER                   | Screw | Cu<br>#10-14   | 30615T**       | 1           | 20   |                          |
| 1                       |       |                | 30616T**       | 2           |      |                          |
| 2                       |       |                | 30617T**       | 3           |      |                          |
| 3                       |       |                | 30618T**       | 4           |      |                          |
| 4                       |       |                | 30619T**       | 5           |      |                          |
| 60<br>GFPC<br>Insulator | ADDER | Box            | Al/Cu<br>#2-14 | 30605T      | 1    | 45                       |
|                         | 1     |                |                | 30606T      | 2    |                          |
|                         | 2     |                |                | 30607T      | 3    |                          |
|                         | 3     |                |                | 30608T      | 4    |                          |
|                         | 4     |                |                | 30609T      | 5    |                          |
|                         | ADDER | Box            | Cu*<br>#4-14   | 30655T      | 1    | 45                       |
|                         | 1     |                |                | 30656T      | 2    |                          |
|                         | 2     |                |                | 30657T      | 3    |                          |
|                         | 3     |                |                | 30658T      | 4    |                          |
|                         | 4     |                |                | 30659T      | 5    |                          |

\*Fuse blocks have copper box connectors and clips and are for copper wires only. These are specifically designed with the same coefficient of expansion as copper wire for improved heat cycling and meet or exceed OEM "no aluminum" specifications.

\*\* UL Component Recognized

Recommended base mounting screws: #10 (.190" dia.)

## Dimensions



# CLASS T 300 & 600 Volt Fuse Blocks

## 300 Volt, 100, 200, 400 & 600 Ampere Class T Fuse Blocks

| Ampere Rating                | Poles        | Connector |              | Catalog No. | Fig. | Connector Torque In - lb |           |
|------------------------------|--------------|-----------|--------------|-------------|------|--------------------------|-----------|
|                              |              | Type      | Wire Range   |             |      | Connector                | Fuse Bolt |
| 100<br>Phenolic<br>Insulator | 1            | Box       | Cu*          | 31001T      | 1    | 50                       | 72        |
|                              | 2            |           | 2/0-#12      | 31002T      | 2    |                          |           |
|                              | 3            |           |              | 31003T      | 3    |                          |           |
| 200<br>Phenolic<br>Insulator | 1            | Box       | Al/Cu        | 32031T      | 4    | 275                      | 132       |
|                              | 3            |           | 350 kcmil-#6 | 32033T      | 5    |                          |           |
|                              | 1            |           | Cu*          | 32051T      | 4    |                          |           |
| 3                            | 350 kcmil-#6 | 32053T    | 5            |             |      |                          |           |
| 400<br>Phenolic<br>Insulator | 1            | Box       | Al/Cu        | 34031T      | 6    | 600                      | 228       |
|                              | 3            |           | 600 kcmil-#2 | 34033T      | 7    |                          |           |
|                              | 1            |           | Cu*          | 34051T      | 6    |                          |           |
| 3                            | 600 kcmil-#2 | 34053T    | 7            |             |      |                          |           |
| 600<br>Phenolic<br>Insulator | 1            | Box       | Al/Cu        | 36031T      | 8    | 600                      | 360       |
|                              | 1            |           | Cu*          | 36051T      | 8    |                          |           |

† Note: Height includes nominal fuse blade thickness

Recommended base mounting screws:  
100A & 200A, #10 (.190" dia.)  
400A & 600A, 1/4" (.250" dia.)

Note: \* Fuse blocks have copper box connectors and are for copper wires only. These are specifically designed with the same coefficient of expansion as copper wire for improved heat cycling and meet or exceed OEM "no aluminum" specifications.

### Dimensions

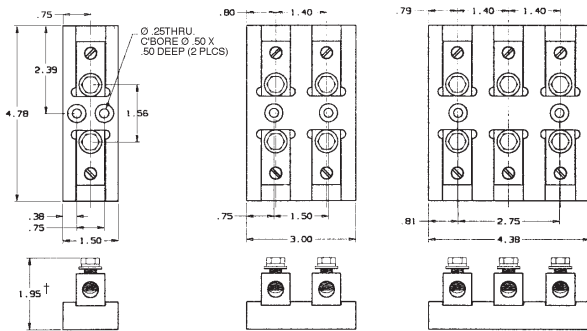


Figure 1

Figure 2

Figure 3

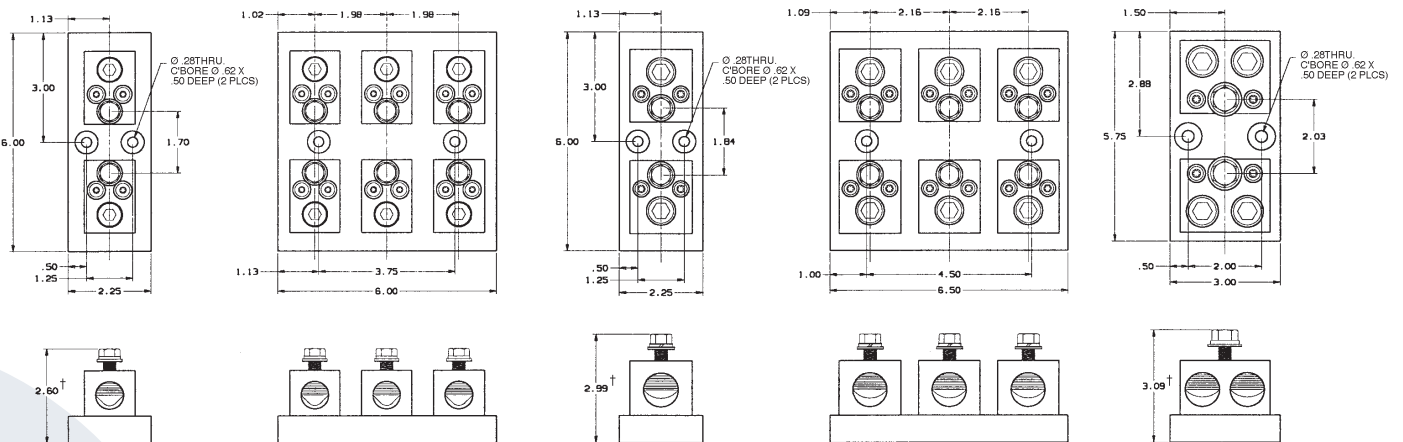


Figure 4

Figure 5

Figure 6

Figure 7

Figure 8