

# 3PSS60A75 R (Retro Ft)



### 3PSS60A75 R

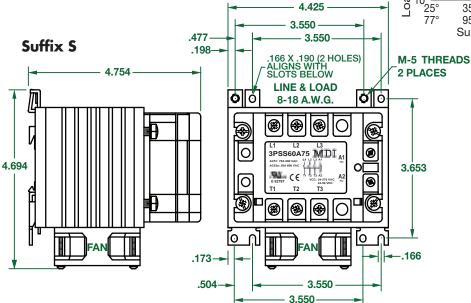
## **General Specifications**

| Operational voltage range         | 42-660 VAC 45 to 65 Hz        |
|-----------------------------------|-------------------------------|
| Blocking voltage                  | 1600 V <sub>p</sub>           |
| Over voltage category III         | Pollution degree 3            |
| Operating temperature             | -30° to 80°C (-22° to 158°F)  |
| Storage temperature               | -40° to 100°C (-40° to 212°F) |
| Input to output isolation voltage | ≥ 4000 VAC rms                |
| Output to case isolation voltage  | ≥ 4000 VAC rms                |
| Heat Sink Fan requires            | 70 mA @ 24 VDC                |

# **Tested and Approved**

3 Pole 50 AMPS @ 480 VAC @ -30°C to 50°C 3-Phase 2 Pole 75 AMPS @ 480 VAC @ -30°C to 50°C 3-Phase \* 51°C to 80°C derates @ 10 AMPS per decade

<sup>\*</sup>For 2 Pole usage, use L1 & L3



#### 3-phase Solid State Relay

- Zero switching
- Rated operational current: 2 x 75 AMPS or 3 x 50 AMPS
- Rated operational voltage: 600 VAC
- 100kA Short Circuit Current Rating according to UL 508 Control voltage: 24-275 VAC (24-50 VDC)
- Line & Load accepts: 8-18 AWG
- Integral snubber network
- Built-in varistor
- IP10 back-of-hand protection
- LED indication of control input
- Heat Sink and 24 VDC Fan

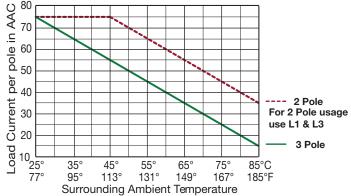


### **Product Description**

A Solid State Relay family designed to switch various loads such as heating elements, motors and transformers. The relay is capable of switching voltages up to 600 VAC rms. The built-in varistor is for heavy industrial applications. For higher reliability and load cycle capability three semiconductor power units are bonded directly to the substrate.

### **Input Specifications**

| All data specified at Ta=25°C |                      |  |
|-------------------------------|----------------------|--|
| Control voltage range         | 24-275 VAC/24-50 VDC |  |
| Pick-up voltage               | 18 VAC/20 VDC        |  |
| Drop-out voltage              | 9 VAC/DC             |  |
| Input current                 | ≤ 15 mA              |  |
| Response time pick-up         | 20 ms                |  |
| (Power output = 50 Hz)        |                      |  |
| Response time drop-out        | 00                   |  |
| (Power output = 50 Hz) e      | 30 ms                |  |



### Suffix R **Includes Retro Fit Back Plate For direct** replacement with standard 2 & 3 pole Mercury Relays. Using the same mounting holes. 4.410 3.125

