

3PS\$60D75 R=120A (Retro Fit)



3PSS60D75 R-120A

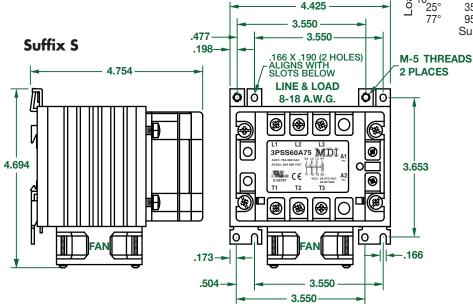
General Specifications

Operational voltage range	42-660 VAC 45 to 65 Hz
Blocking voltage	1600 V _p
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	55 mA @ 120 VAC

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

^{*}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: 4-32 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 120 VAC 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	

80 70 .⊑ 60 50 50 60 ed 40 Current -- 2 Pole For 2 Pole usage use L1 & L3 3 Pole 10 <u>-</u> 25° 45° 55° 75° 85°C 77° 113° 131° 149° 167° 185°F Surrounding Ambient Temperature

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

