SOLID STATE RELAYS



CE

3PSS Series with Suffix S (Standard Din-rail) or R (Retro Fit)



3PSS60A75 S
3PSS60D75 SStandard Din-Rail3PSS60A75 R
3PSS60D75 RRetro Fit

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	70 mA @ 24 VDC (Included)	
	55 mA @ 120 VAC (Optional)	

Tested and Approved

*For 2 Pole usage, use L1 & L3

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

4.425 3.550 .477 3.550 Suffix S .198-66 X .190 (2 HOLES) M-5 THREADS ALIGNS WITH SLOTS BELOW 2 PLACES 4.754 **LINE & LOAD 0**0 Ó 8-18 A.W.G. ø **B** 11 A 1 12 ۲ lO 3PSS60A75 MD1 4.694 3.653 **9** CE O 0 Ċ ø 8 0 .166 .173 .504 3.550 3.550 15

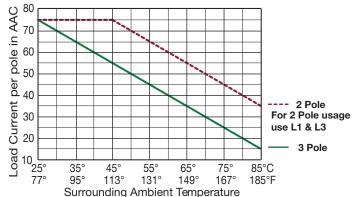
- 3-phase Solid State Relay
- Zero switching
 Bated operational current: 3
- Rated operational current: 3 x 75 AMPS
 Rated operational voltage: 600 VAC
- Rated operational voltage: 600 VAC
 Control voltage 3PSS60A75 24-50 VDC/24-275 VAC 3PSS60D75 4-32 VDC
- Line & Load accepts: 8-18 AWG
- Integral snubber network
- Built-in varistor
- IP10 back-of-hand protection
- LED indication of control inputHeat Sink and 24 VDC Fan Included
- E 354129
- 120 VAC Fan Optional

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	3PSS60A75	3PSS60D75
Control voltage range	24-275 VAC/24-50 VDC	4-32 VDC
Pick-up voltage	18 VAC/20 VDC	3.8 VDC
Drop-out voltage	9 VAC/DC	1.2 VDC
Input current	≤ 15 mA	≤ 23 mA
Response time pick-up (Power output = 50 Hz)	20 ms	10 ms
Response time drop-out (Power output = 50 Hz) e	30 ms	10 ms



Suffix R

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

