

## 3PSS60A75 S-120A (Din-Rail)



**3PSS60A75 S-120A (Standard Din-Rail)**

- 3-phase Solid State Relay
- Zero switching
- Rated operational current: 2 x 75 AMPS or 3 x 50 AMPS
- Rated operational voltage: 600 VAC
- Control voltage: 24-275 VAC (24-50 VDC)
- 100kA Short Circuit Current Rating according to UL 508
- 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.

### 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	55 mA @ 120 VAC	

### 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 (Power output = 50 Hz)	20 ms
Response time drop-out (Power output = 50 Hz) e	30 ms

### 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

