





HFS24(JG-24F)

THREE-PHASE SOLID STATE



Features

- Photo isolation
- LED status indicator
- 4000V dielectric strength
- Zero cross or random turn-on
- Built-in snubber
- Removable finger proof cover
- Panel mount
- RoHS compliant

INPUT (TA = 25°C)

Control voltage range	4 to 32VDC
Must operate voltage	4VDC
Must release voltage	1VDC
Max. input current	35mA
Max. reverse protection voltage	-32VDC

OUTPUT (TA = 25°C)

Load voltage range	48 to 440VAC
Load current range	D380A10Z: 10A
	D380A15Z: 15A
	D380A25Z: 25A
	D380A40Z: 40A
	D380A60Z: 60A
Max. transient overvoltage	800Vpk
Max. surge current (10ms)	D380A10Z: 100Apk
	D380A15Z: 150Apk
	D380A25Z: 250Apk
	D380A40Z: 400Apk
	D380A60Z: 600Apk
Max. on-state voltage drop	1.5Vrms
Min. load current	100mA
Max. leakage current	10mA
Min. off-state dv/dt	200V/μs
Max. turn-on time	1/2cycle + 1ms
Max. turn-off time	1/2cycle + 1ms
Min. power factor	0.5

GENERAL (TA = 25°C)

DESCRIPTION

The HFS24 is three-phase AC output relay (3PSS) offer 4 to 32VDC input control, with outputs rated 25A, 40A or 60A. The relays include a LED indicator for input status information. All models include an internal LED status indicator. The relays provide 4000VAC opto-isolation, built-in snubber, output. Encapsulation, thermally conductive epoxy.

INSTALLATION

1. When mounting the relays side by side, the spacing between them should be equivalent to the width of a single SSR between two SSRs. Otherwise, reduce the load current to 1/2 of the rated current.
2. When mounting relays on heat sink surface, apply a thin layer of thermally conductive grease to the metal back surface of the relay.
3. Push the SSR firmly onto the heat sink to ensure a good contact between the SSR down to the heat sink.

Next, wire the screw terminals and securely tighten the screws.



PRECAUTIONS

1. Before connecting a load that generates a high inrush current, the load should be connected to the relay terminals.

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