

Type JEHPR48D50 Solid State Relay



- Zero switching
- LED indication
- Clip-on IP 20 protection cover
- Self-lifting terminals
- Housing free of moulding mass
- Transient Voltage: 1200V_p
- Opto-isolation: > 4000VAC rms
- Input range: 4-32 VDC
- Operational ratings: Up to 50 AMPS rms
- Rated voltage: 480 VAC rms



Product Description

The industrial, 1-phase relay with anti parallel thyristor output is the most widely used industrial SSR due to its multiple application possibilities. The relay can be used for resistive, inductive and capacitive loads. The zero switching relay switches ON when the sinusoidal curve crosses zero and switches OFF when the current crosses zero.

The instant-on relay with DC control input can be used for phase control. The built in varistor secures transient protection for the heavy industrial applications, and the LED indicates the status of the control input. The clip on cover is securing touch protection to IP20. Protected output terminals can handle cables up to 16mm² (6 AWG).

Output Specifications

Rated operational current TA=25°C	50 AMPS rms
Load Current Range	50 AMPS rms
Max. Surge Current (10 ms)	700 Apk
Max. Off-State Leakage Current	10 mA
Max. I²t for fusing (10 ms, A²S)	1250
Max. On-State Voltage Drop	1.7 Vrms.6
Min. Off-State DV/DT	500V/μs

Input Specifications

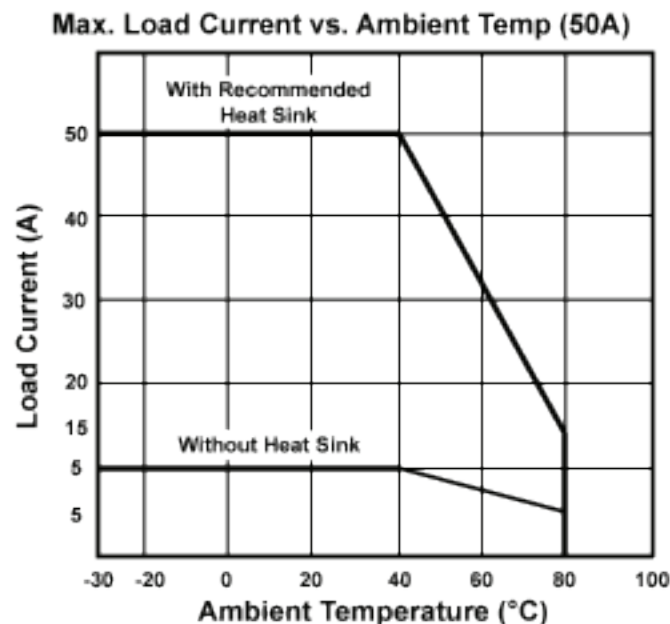
Control voltage range	4 - 32 VDC
Max. Turn-On Voltage @ Ta = 25°C	4 VDC
Max. Reverse Protection Voltage	-32 vdc
Max. Turn-Off Voltage	1.2 VDC
Max. Input Current	25 mA
Max. Turn-On Time	1/2 cycle + 1ms
Max. Turn-Off Time	1/2 cycle + 1ms

General Specifications

Operational voltage range	48 to 530 VAC rms
Max. Transient Voltage	≥ 1200 V _p
Load Current Range	50 Arms
Operational frequency range	47 to 63 Hz
Power factor	0.5
Approvals	cULus
CE-marking	Yes

Thermal Specifications

Operating temperature range	-30° to 80°C (-22° to 176°F)
Storage temperature range	-30° to 100°C (-22° to 212°F)



Dimensions

