

Magnecraft

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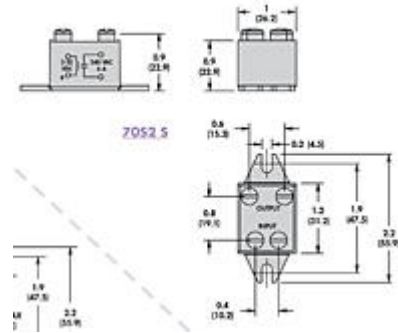
Item # 70S2-03-C-25-S, 70S2 Series Solid State Relay / S Style, 25 Amp Rating

[QUOTE](#)

70S2 Series Solid State Relay / S Style, 25 Amp Rating

70S2 Series Relays:

- Excellent thermal performance
- Designed for medium-power loads
- Ideal for designs where space is limited
- Triac output for AC loads
- MOSFETs for DC loads
- Optical isolation protects the control from transients



[SPECIFICATIONS](#) · [OUTPUT CHARACTERISTICS](#) · [INPUT CHARACTERISTICS](#) · [PERFORMANCE CHARACTERISTICS](#) · [ENVIRONMENT](#) · [MISCELLANEOUS CHARACTERISTICS](#) · [PRODUCT CERTIFICATIONS](#)

SPECIFICATIONS

Component Type	Solid State
Mounting Type	Panel Mount
Contact Rating	25 A
Contact Configuration	SPST-NO
Input Voltage Range	3 to 30 VDC
Output Voltage Range	24 to 280 VAC

Load Type	DC
Switching Type	Zero Cross

OUTPUT CHARACTERISTICS

Switching Device	Triac
Switching Voltage	24 to 280 VAC
Maximum Rate of Rise Off State Voltage [dv/dt]	300 V/us
Min. Load Current to Maintain On	100 mA
Non-Repetitive Surge Current (1 cycle)	300 A
Max. Off State Leakage Current [rms]	6 mA
Minimum Peak Blocking Voltage	600 VAC
Typical On State Voltage Drop [rms]	1.7 VAC

INPUT CHARACTERISTICS

Voltage Range	3 to 30 VDC
Must Release Voltage	1 VDC
Typical Input Current at 5VDC or 240VAC	6 to 10 mA
Maximum Reverse Control Voltage	3 VDC

PERFORMANCE CHARACTERISTICS

Electrical Life (UL508), Operations at Rated Current (Resistive)	100000
Mechanical Life, Unpowered	10000000
Operating Time (Response Time) - On	8.3 ms μs
Operating Time (Response Time) - Off	8.3 ms μs
Dielectric Strength, Terminals to Chassis	3000 VAC

ENVIRONMENT

Ambient Air Temperature around the Device - Storage	-40 to +125 °C
Ambient Air Temperature around the Device - Operation	-40 to +100 °C

MISCELLANEOUS CHARACTERISTICS

Thermal Resistance (Junction to Case)	4 °C/W
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PRODUCT CERTIFICATIONS

Agency Approvals	UR CSA
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