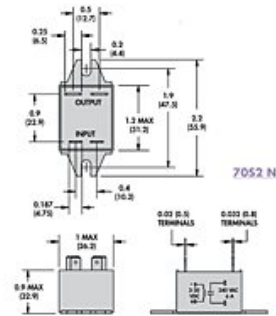


**Item # 70S2-05-B-12-N, 70S2 Series Solid State Relay / N Style, 12 Amp Rating**

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](#) · [Product Certifications](#)

**Specifications**

Check Inventory	<a href="#">Check Distributor Inventory</a>
Component Type	Solid State
Mounting Type	Panel Mount
Contact Rating	12 A
Contact Configuration	SPST-NO
Input Voltage Range	6 to 30 VDC
Output Voltage Range	24 to 140 VAC
Load Type	AC
Switching Type	Zero Cross

**Output Characteristics**

Switching Device	Triac
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	400 VAC
Typical On State Voltage Drop [rms]	1.6 VAC

**Input Characteristics**

<b>Must Release Voltage</b>	1 VDC
<b>Typical Input Current at 5VDC or 240VAC</b>	6 to 10 mA
<b>Maximum Reverse Control Voltage</b>	3 VDC

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**Performance Characteristics**

<b>Operating Time (Response Time) - On</b>	8.3 ms
<b>Operating Time (Response Time) - Off</b>	8.3 ms
<b>Dielectric Strength, Terminals to Chassis</b>	3000 VAC

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**Product Certifications**

<b>Agency Approvals</b>	UL (E258297) CSA (040787) RoHS
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