

Magnecraft

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Phone: (847)441-2526**Fax:** (847)441-2522**Email:** info@magnecraft.com**Item # 6250AXXSZS-AC90, Class 6 Solid State Relays/SPST-NO, SPST-NC, DPST-NO, 10-150 Amp Rating****Class 6 Solid State Relays/SPST-NO, SPST-NC, DPST-NO, 10-150 Amp Rating**

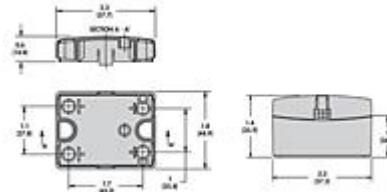
Supercedes: W6250ASX-1

The new finger-safe Class 6 "Hockey Puck" Style Solid State Relay (SSR) expands and enhances the current Magnecraft Solid State Relay product line.

This product features a finger-safe cover and LED Status Indicator. The optically coupled circuitry isolates the input from the output to give pure solid state performance. This product carries with it agency certifications from UL, CSA, and CE.

Available for products up to 40 Amps.

This item is normally stocked

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| | |
|-----------------------|---------------|
| Component Type | Solid State |
| Mounting Type | Panel |
| Rated Current Load | 50 A |
| Contact Configuration | SPST-NO |
| Control Voltage | AC |
| Load Type | AC |
| Output Voltage Range | 24 to 280 VAC |

| | |
|----------------|------------|
| Switching Type | Zero Cross |
|----------------|------------|

OUTPUT CHARACTERISTICS

| | |
|------------------------------------------------|---------------|
| Switching Device | SCR (2) |
| Switching Voltage | 24 to 280 VAC |
| Maximum Rate of Rise Off State Voltage [dv/dt] | 500 V/us |
| Incandescent Lamp Ampere Rating [rms] | 39 A |
| Motor Load Rating [rms] | 14 A |
| Min. Load Current to Maintain On | 250 mA |
| Non-Repetitive Surge Current (1 cycle) | 520 A |
| Max. RMS Overload Current (1 second) | 100 A |
| Max. Off State Leakage Current [rms] | 10 mA |
| Peak Blocking Voltage | 600 Vpk |
| Typical On State Voltage Drop [rms] | 1.1 VAC |
| Max. On State Voltage Drop [rms] | 1.8 VAC |
| Maximum I ₂ T for Fusing (A2) | 1250 |

INPUT CHARACTERISTICS

| | |
|-----------------------------------------|-------------------------------|
| Voltage Range | 80 to 140 DC 90 to 280 VAC |
| Must Release Voltage | 10 VAC |
| Nominal Input Impedance | 13000 Ohm |
| Typical Input Current at 5VDC or 240VAC | 20 mA |

PERFORMANCE CHARACTERISTICS

| | |
|------------------------------------------------------------------|----------|
| Electrical Life (UL508), Operations at Rated Current (Resistive) | 100000 |
| Mechanical Life, Unpowered | 10000000 |
| Operating Time (Response Time) - On | 8.3 ms |
| Operating Time (Response Time) - Off | 8.3 ms |
| Rated Insulation Voltage, Input to Output | 2500 VAC |
| Dielectric Strength, Terminals to Chassis | 4000 VAC |

ENVIRONMENT

| | |
|-------------------------------------------------------|-----------------|
| Product Certifications, Standard Version | CE CSA UL |
| Ambient Air Temperature around the Device - Storage | -40 to +100 °C |
| Ambient Air Temperature around the Device - Operation | -40 to +80 °C |
| Degree of Protection | IP 20 |

MISCELLANEOUS CHARACTERISTICS

| | |
|---------------------------------------|-----------|
| Thermal Resistance (Junction to Case) | 0.63 °C/W |
| LED Input | Green |
| Input Terminal | M3.5 |
| Output Terminal | M6 |