

## Magnecraft

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## Item # 6250AXXSZS-DC3, 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

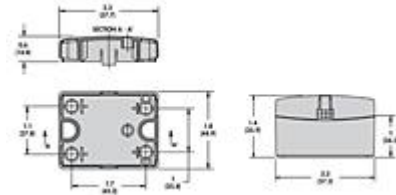
Supersedes: W6250DSX-1

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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### SPECIFICATIONS

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

Switching Type	Zero Cross
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## OUTPUT CHARACTERISTICS

Switching Device	SCR (2)
Current Rating	50 A
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]	8 mA
Peak Blocking Voltage	600 Vpk
Typical On State Voltage Drop [rms]	1.8 V
Max. On State Voltage Drop [rms]	1.8
Maximum I <sup>2</sup> T for Fusing (A2)	1250

## INPUT CHARACTERISTICS

Voltage Range	3 to 32 VDC
Must Release Voltage	1 VDC
Nominal Input Impedance	Ohm Current Regulator
Reverse Polarity Protection	Yes

## 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

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## MISCELLANEOUS CHARACTERISTICS

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

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