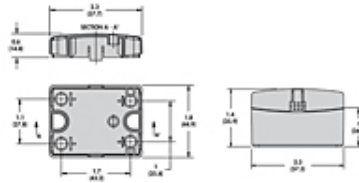


## Item # 6250AXXSZS-DC3, Class 6 Solid State Relay / SPST-NO, 50 Amp Rating

### Class 6 Series:

- Hockey puck design
- Finger-safe cover\*
- LED status indicator
- Optically coupled circuitry

\*Available for products up to 40 Amps (AC) and 12 Amps (DC).



## SPECIFICATIONS

Check Inventory	Check Distributor Inventory
Status	Standard
Mounting Type	Panel Mount
Legacy Part No.	W6250DSX-1
Maximum I <sub>T</sub> for Fusing (A <sub>sec</sub> )	1620 A <sub>sec</sub>

## OUTPUT CHARACTERISTICS

Contact Rating	50 A
Contact Configuration	SPST-NO

Output Voltage Range	24 to 280 VAC
Switching Type	Zero Cross
Switching Device	SCR (2)
Maximum Zero Turn-On Voltage [Vpk]	600 V
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	150 mA
Non-Repetitive Surge Current (1 cycle)	520 A
Max. RMS Overload Current (1 second)	100 A
Max. Off State Leakage Current [rms]	1 mA
Peak Blocking Voltage	600 Vpk
Max. On State Voltage Drop [rms]	1.6 VAC

## INPUT CHARACTERISTICS

Input Voltage Range	3 to 32 VDC
Maximum Turn-On Voltage	3 VDC
Minimum Turn-Off Voltage	1 VDC
Must Release Voltage	1 VDC
Nominal Input Impedance	Current Regulator
Typical Input Current	10 mA
Reverse Polarity Protection	Yes

## MISCELLANEOUS CHARACTERISTICS

Operating Time (Response Time) - On	8.3 ms 0.5 cycles
Operating Time (Response Time) - Off	0.5 cycles

Thermal Resistance (Junction to Case)	0.63 $\text{^\circ C/W}$
Minimum Insulation Resistance	1E+9 ohms
Maximum Capacitance	10
Rated Insulation Voltage, Input to Output	2500 VAC
Dielectric Strength, Terminals to Chassis	4000 VAC
Ambient Air Temperature around the Device - Storage	-40 to +125 $\text{^\circ C}$
Ambient Air Temperature around the Device - Operation	-40 to +80 $\text{^\circ C}$
Input Terminal	M3.5
Output Terminal	M6
Recommended Terminal Screw Torque Range	6-32 Screws: 10 in lb 8-32 & 10-32 Screws: 20 in lb
Degree of Protection	IP 20
LED Input	Green

## PRODUCT CERTIFICATIONS

Agency Approvals	UL (E258297) CE (per IEC 600947-4-1) CSA (168986) RoHS
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