

crydom

Panel Mount
DataSheet

DC60 Series

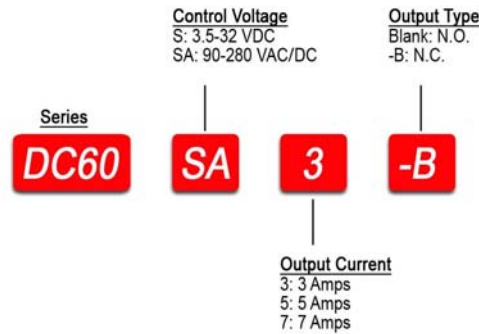


- Bi-polar transistor output
- Ratings from 3A to 7A @ 60 VDC
- AC or DC control
- UL and cUL Recognized (E116950)

PRODUCT SELECTION

Control Voltage	3A	5A	7A
3.5-32 VDC	DC60S3	DC60S5	DC60S7
90-280 Vrms/VDC	DC60SA3	DC60SA5	DC60SA7

AVAILABLE OPTIONS



OUTPUT SPECIFICATIONS (1)

Description	3A	5A	7A
Operating Voltage [VDC]	3-60	3-60	3-60
Maximum Off-State Leakage Current @ Rated Voltage [mA]	0.1	0.1	0.1
Maximum Load Current [ADC] (2)	3	5	7
Minimum Load Current [mA]	20	20	20
Maximum Surge Current [Adc] (10ms)	6	10	14
Maximum On-State Voltage Drop @ Rated Current [Vdc]	1.3	1.5	1.7
Thermal Resistance Junction to Case (Rjc) [°C/W]	2.2	2.2	2.2

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INPUT SPECIFICATIONS (1)

Description	DC Control	AC/DC Control
Control Voltage Range	3.5-32 VDC	90-280 Vrms/VDC
Minimum Turn-On Voltage	3.5 VDC	90 Vrms/VDC
Minimum Turn-Off Voltage	1.0 VDC	10 Vrms/VDC
Typical Input Current	2.2 mA @ 5 VDC	2 mA @ 120 V, 4 mA @ 240 V
Nominal Input Impedance	1500 Ohm	60K
Maximum Turn-On Time [msec] (3)	0.1	10
Maximum Turn-Off Time [msec] (4)	0.3	40

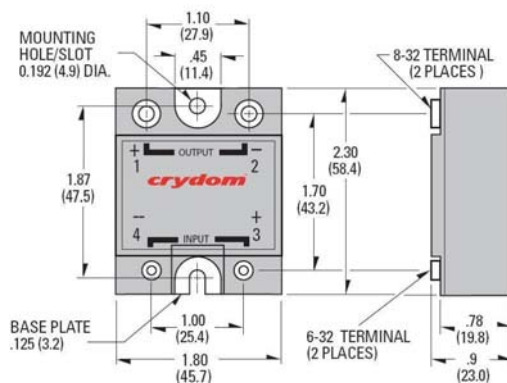
GENERAL SPECIFICATIONS

Description	Parameters
Dielectric Strength, Input/Output/Base (50/60Hz) [Vrms]	4000
Minimum Insulation Resistance (@ 500 V DC)	10 ⁹ Ohm
Maximum Capacitance, Input/Output	8 pF
Ambient Operating Temperature Range	-30 to 80°C
Ambient Storage Temperature Range	-40 to 125 °C
Weight (typical)	3.0 oz (86.5g)
Encapsulation	Thermally conductive Epoxy
Terminals	Screws and Saddle Clamps Furnished, Unmounted
Recommended Terminal Screw Torque Range:	6-32 Screws - 10 in lbs. 8-32 and 10-32 Screws -20 in. lbs. (Screws dry without grease)

GENERAL NOTES

- 1) All parameters at 25°C unless otherwise specified.
- 2) Heat sinking required, see derating curves.
- 3) Turn-on time for -B version is 300 μs
- 4) Turn-off time for -B version is 100 μs.

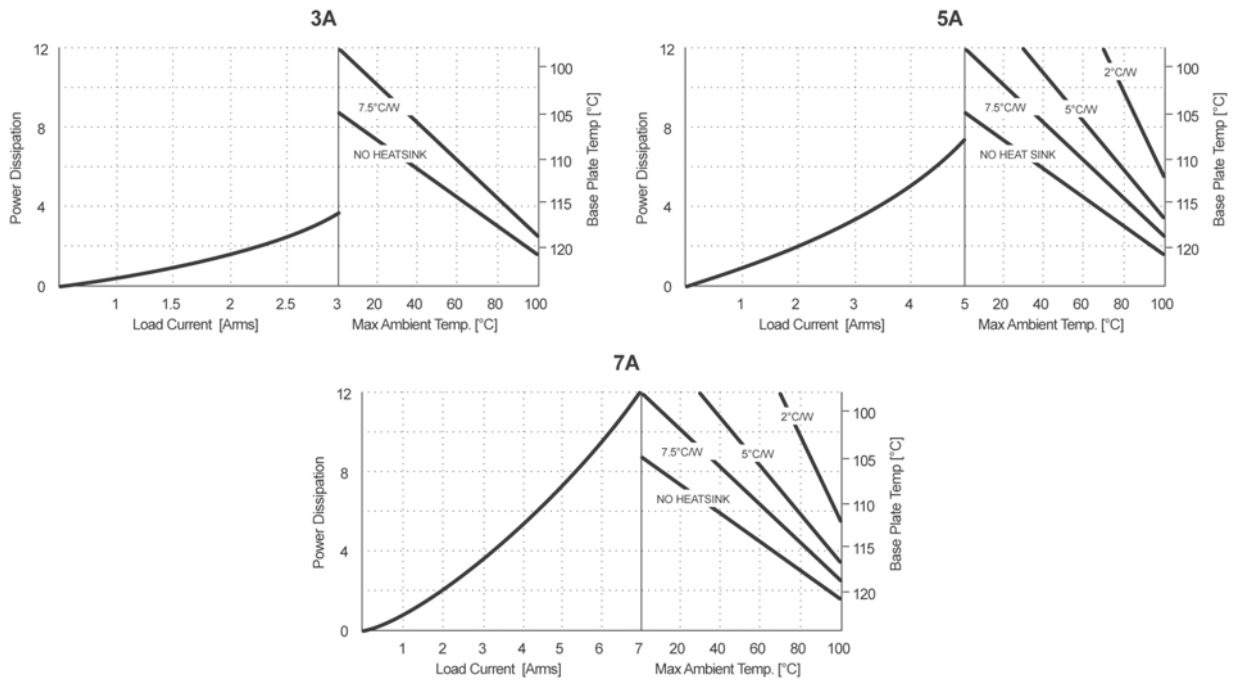
MECHANICAL SPECIFICATIONS



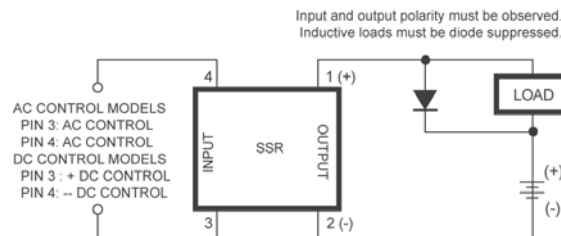


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THERMAL DERATE INFORMATION



WIRING DIAGRAM



AGENCY APPROVALS



Rev. 081511