



Series CMX

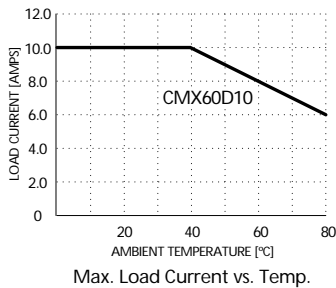
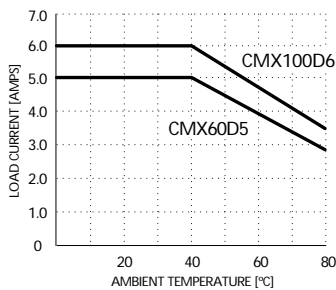
5-10 Amp • 0-60, 0-100 Vdc • DC Output SIP

- MOSFET Output
- Extra Low On-State Resistance

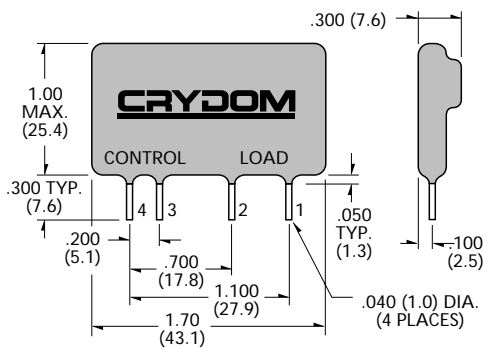
DC output SPST-NO solid state relays use MOSFET output for high switching capabilities in a PC-mount air-cooled package. Pinouts are compatible with Series 6 and ODC type I/O modules.

Manufactured in Crydom's ISO 9002 Certified facility for optimum product performance and reliability.

CURRENT DERATING CURVES



Max. Load Current vs. Temp.



PIN 1: +DC LOAD
 PIN 2: -DC LOAD
 PIN 3: +DC CONTROL
 PIN 4: -DC CONTROL

All dimensions are in inches (millimeters)

MODEL NO. CMX60D5^③ CMX60D10^③ CMX100D6^③

INPUT SPECIFICATIONS ①

Control Voltage Range	3.0-10.0 Vdc
Nominal Input Impedance	300 Ohm
Typical Input Current @ 5 Vdc	15 mAdc
Must Turn On Voltage	3.0 Vdc
Must Turn Off Voltage	1.0 Vdc

OUTPUT SPECIFICATIONS ①

Operating Voltage Range	0-60 Vdc	0-60 Vdc	0-100 Vdc
Load Current Range	0-5 Adc	0-10 Adc	0-6 Adc
Max. Surge Current, (10 msec)	60 Apk	100 Apk	100 Apk
Max. Off-State Leakage @ Rated Voltage	100 µAdc		
Max. On-State Resistance @ Rated Current (R _{DS-ON})	.10 Ohm	.018 Ohm	.040 Ohm
Max. On-State Voltage Drop @ Rated Current	0.5V	0.18V	0.24V
Max. Turn-On Time	1.0 msec		
Max. Turn-Off Time	300 µsec		

GENERAL SPECIFICATIONS

Dielectric Strength ②	2500 Vrms
Insulation Resistance (Min.) @ 500 Vdc ②	10 ⁹ Ohm
Max. Capacitance (Input/Output)	15 pF
Ambient Operating Temperature Range	-30 to 80°C
Ambient Storage Temperature Range	-30 to 125°C

MECHANICAL SPECIFICATIONS

Weight: (typical)	0.4 oz. (11 g)
Encapsulation:	Thermally Conductive Epoxy

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GENERAL NOTES

- ① All parameters at 25°C unless otherwise specified.
- ② Dielectric and insulation resistance are measured between input and output.
- ③ Inductive loads should be diode suppressed.

APPROVALS

UL E116950 (6A & 10A Models)

