



Series CMX

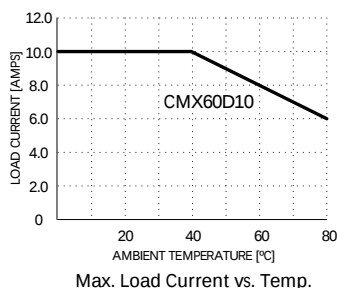
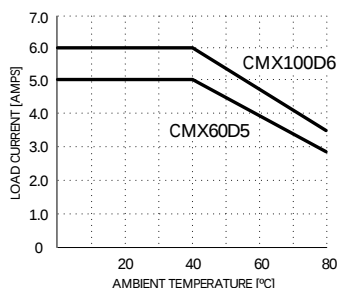
5-10 Amp • 0-60, 0-100 Vdc • DC Output SIP

- 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.

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

©1998 CRYDOM CORP, Specifications subject to change without notice.

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.

For recommended applications and more information contact:

USA: (800) 8 CRYDOM • (800) 827-9366 • (619) 715-7200 • fax (619) 715-7280

Crydom Corp, 9525 Chesapeake Drive, San Diego, CA 92123 • e-mail: sales@crydom.com

WEB SITE: <http://www.crydom.com> FASTFAX Product Information: (888) 267-9191

UK: (44)1202 812300 • fax (44)1202 812340 Crydom International Ltd., 85, Condor Close, Woolsbridge Industrial Estate, Three-Legged Cross, Wimborne, Dorset, England BH21 6SU

GERMANY: (49) (0)6874 182580 • fax (49)(0)6874 182585 Crydom GmbH,

Gewerbegebiet Im Schachen, D-66687 Nunkirchen, Germany • e-mail: vertrieb@crydom.com



APPROVALS

UL E116950 (6A & 10A Models)