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.

MODEL NO. CMX60D5® CMX60D10® CMX100D6®

INPUT SPECIFICATIONS
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
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 (RDS-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 2500 Vrms
Insulation Resistance (Min.) @ 500 Vdc 109 Ohm
Max. Capacitance (Input/Output) 15 pF
Ambient Operating Temperature Range -30 to 80ºC
Ambient Storage Temperature Range -30 to 125ºC

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

GENERAL NOTES
- All parameters at 25ºC unless otherwise specified.
- Dielectric and insulation resistance are measured between input and output.
- Inductive loads should be diode suppressed.

For recommended applications and more information contact:
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APPROVALS
UL E116950 (6A & 10A Models)