CMX Series

- SIP SSR
- Ratings to 20A @ 60 VDC, 10A @ 100 VDC, 10A @ 60 VDC and 3A @ 200 VDC
- MOSFET output
- DC control
- Low on-state impedance
- CE Compliant to EN60950-1

PRODUCT SELECTION

Control Voltage	3A	5A	6A	10A	10A	20A
3-10 VDC	CMX200D3	CMX60D5	CMX100D6	CMX60D10	CMX100D10	CMX60D20
20-28 VDC	CMXE200D3	CMXE60D5	CMXE100D6	CMXE60D10	CMXE100D10	CMXE60D20

OUTPUT SPECIFICATIONS (1)(4)

Description						
Operating Voltage [VDC]	0-200	0-60	0-100	0-60	0-100	0-60
Maximum Off-State Leakage Current @ Rated Voltage [µAdc]	100	100	100	100 (5)	100	100
Maximum Load Current [Arms]	3	5	6	10	10	20
Minimum Load Current [Arms]	0	0	0	0	0	0
Maximum On-State Resistence [Ohm] (2)	0.20	.10	.040	.018	.010	.0033
Maximum Surge Current (10msec) [Apk]	30	60	100	100	100	200
Maximum On-State Voltage Drop @ Rated Current [VDC]	0.6	0.5	0.24	0.18	0.1	0.1

INPUT SPECIFICATIONS (1)

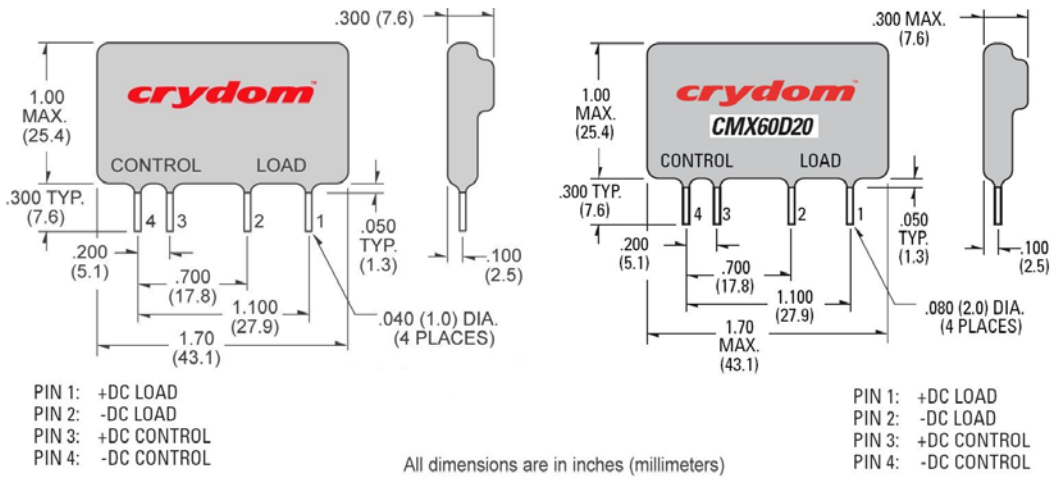
Description	CMX	CMXE
Control Voltage Range	3.0-10.0 VDC	20-28 VDC
Must Turn On Voltage	3.0 VDC	20 VDC
Must Turn Off Voltage	1 .0 VDC	1 .0 VDC
Typycal Input Current	15 mAdc @ 5 VDC	12 mAdc @ 24 VDC
Nominal Input Impedance	300 Ohm	780 Ohm
Maximum Turn-On Time [msec]	1.0	1.0
Maximum Turn-Off Time [µsec]	300	300

GENERAL SPECIFICATIONS

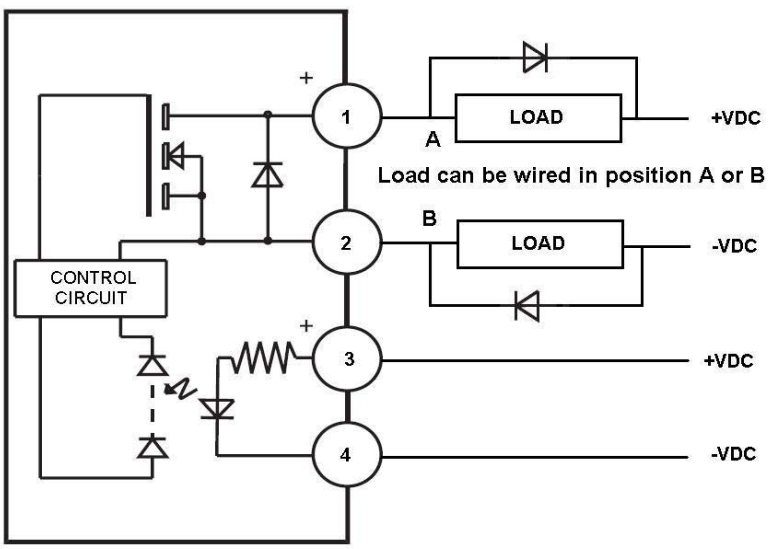
Description	Parameters
Dielectric Strength, Input/Output/Base (50/60Hz)(3)	2500 Vrms
Minimum Insulation Resistance (@ 500 VDC)(3)	10^9 Ohm
Maximum Capacitance, Input/Output	15 pF
Ambient Operating Temperature Range	-30 to 80°C
Ambient Storage Temperature Range	-30 to 125°C
Weight (typical)	0.4 oz. (11g)
Encapsulation	Thermally Conductive Epoxy

1) All parameters at 25°C unless otherwise specified.
2) @ rated current (RDS-ON)
3) Dielectric and insulation resistance are measured between input and output
4) Inductive loads should be diode suppressed
5) At 55 Vdc

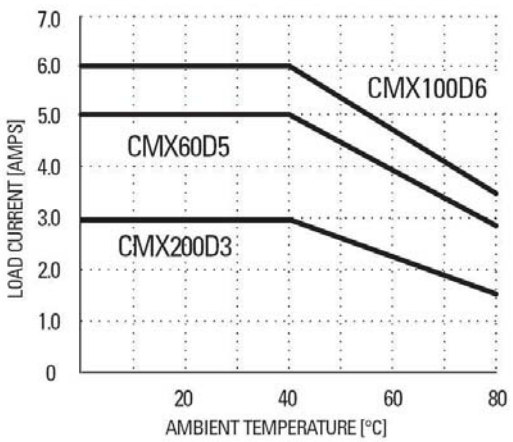
MECHANICAL SPECIFICATIONS

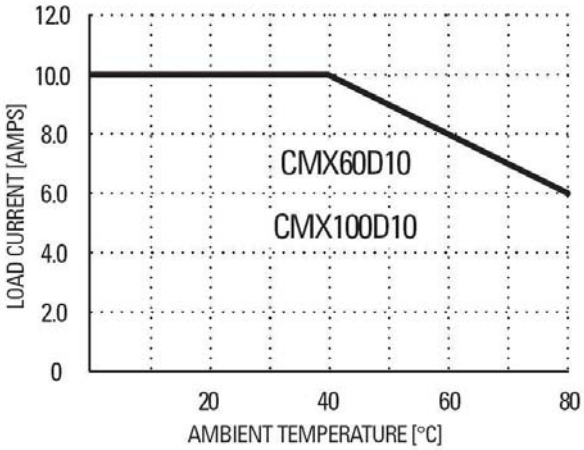


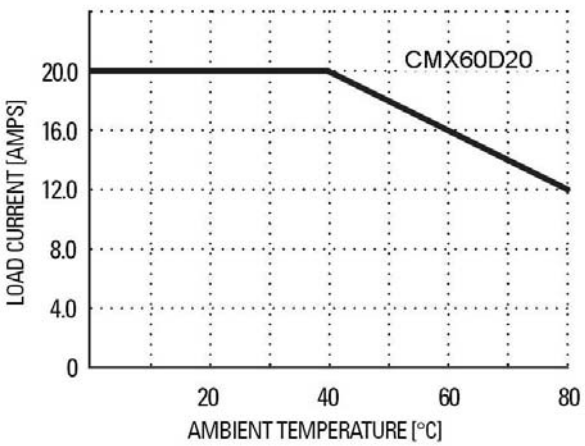
WIRING DIAGRAM



THERMAL DERATE INFORMATION







AGENCY APPROVALS

EN60950 : Meets the requirements of sections1.5: 1,7: 2.9: 2.10.5.3: 4.2: 4.5: 4.7:
UL E116950(3 Amps, 6 Amps and 10 Amps Models)

Rev. 120810

CE RoHS Compliant