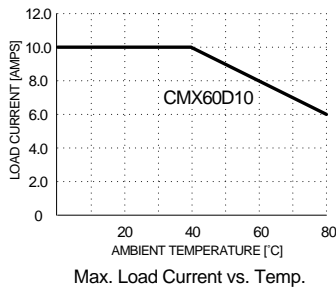
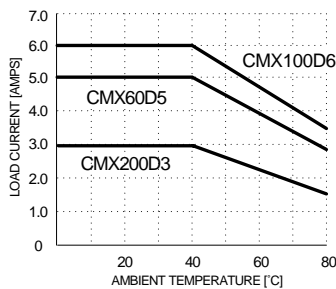


- MOSFET Output
- Extra Low On-State Resistance

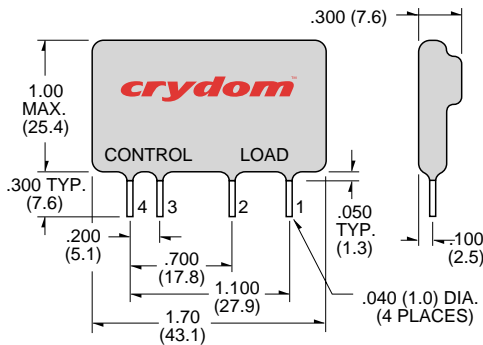
DC output SPST-NO solid state relays use MOSFET output for high switching capabilities in a PC-mount air-cooled package. Pinouts are compatible with Series 6 and ODC type I/O modules.

Manufactured in Crydom's ISO 9001 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)

APPROVALS

UL E116950 (3 Amp, 6 Amp and 10 Amp Models)

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	MODEL NO. CMX60D5	CMX60D10	CMX100D6	CMX200D3
INPUT SPECIFICATIONS ①				
Control Voltage Range	3.0-10.0 Vdc	3.0-10.0 Vdc	3.0-10.0 Vdc	4.0-10.0 Vdc
Nominal Input Impedance	300 Ohm	300 Ohm	300 Ohm	300 Ohm
Typical Input Current @ 5 Vdc	15 mA _{dc}	15 mA _{dc}	15 mA _{dc}	15 mA _{dc}
Must Turn On Voltage	3.0 Vdc	3.0 Vdc	3.0 Vdc	4.0 Vdc
Must Turn Off Voltage	1.0 Vdc	1.0 Vdc	1.0 Vdc	1.0 Vdc
OUTPUT SPECIFICATIONS ①③				
Operating Voltage Range	0-60 Vdc	0-60 Vdc	0-100 Vdc	0-200 Vdc
Load Current Range	0-5 Adc	0-10 Adc	0-6 Adc	0-3 Adc
Max. Surge Current, (10 msec)	60 Apk	100 Apk	100 Apk	30 Apk
Max. Off-State Leakage @ Rated Voltage	100 μA _{dc}	100 μA _{dc} ④	100 μA _{dc}	100 μA _{dc}
Max. On-State Resistance @ Rated Current (R _{DS-ON})	.10 Ohm	.018 Ohm	.040 Ohm	.20 Ohm
Max. On-State Voltage Drop @ Rated Current	0.5V	0.18V	0.24V	0.6 V
Max. Turn-On Time @ 10Vdc Control	1.0 msec	1.0 msec	1.0 msec	1.0 msec
Max. Turn-Off Time @ 10Vdc Control	300 μsec	300 μsec	300 μsec	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.
- ④ At 55 Vdc.

For recommended applications and more information contact:

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