



Series ODC, (S)MODC, X4ODC

DC Output Modules

- Status Indicating LED on X4 Series and 4A Fuse
- UL, CSA, and CE

Solid state I/O switching modules deliver an electrically clean, photo-isolated, noise-free "output" interface from logic level control systems to external loads such as motors, valves, solenoids, etc. -- or an "input" interface from the load or sensors to microprocessor or computer-based logic level systems. Designed for long, reliable service in demanding industrial environments.

INPUT SPECIFICATIONS

	ODC5 (S)MODC5 X4ODC5	ODC15 (S)MODC15 X4ODC15	ODC24 (S)MODC24 X4ODC24	ODC5A (S)MODC5A X4ODC5A	ODC15A (S)MODC15A X4ODC15A	ODC24A (S)MODC24A X4ODC24A
Nominal Input Voltage [Vdc]	5	15	24	5	15	24
Min. Input Voltage @ pin 3 [Vdc] (X4 Series)	2.5 (4)	8.5 (10)	16.5 (18)	2.5 (4)	8.5 (10)	16.5 (18)
Max. Input Voltage @ pin 3 [Vdc] (X4 Series)	7.5 (7.5)	20 (20)	30.5 (30.5)	7.5 (7.5)	20 (20)	30.5 (30.5)
Must Turn Off Voltage [Vdc]	2.0	2.0	2.0	2.0	2.0	2.0
Typical Input Current [mAdc]	10	10	11	10	10	11
Max. Input Current [mAdc]	27	20	15	27	20	15
Nominal Input Resistance [ohm]	240	900	2.2K	240	900	2.2K

OUTPUT SPECIFICATIONS

Nominal Line Voltage [Vdc]	24	24	24	100	100	100
Max. Line Voltage [Vdc]	60	60	60	200	200	200
Min. Line Voltage [Vdc]	3	3	3	5	5	5
Max. Peak Off-State Voltage [V]	60	60	60	200	200	200
Max. Off-State Leakage Current [mAdc]	1.0	1.0	1.0	2.0	2.0	2.0
Max. On-State Current [Adc]	3	3	3	1	1	1
Min. On-State Current [mAdc]	10	10	10	10	10	10
Max. One Second Surge [A peak]	5	5	5	5	5	5
Max. On-State Voltage @ 25C [V peak]	1.5	1.5	1.5	1.5	1.5	1.5
Max. Turn-On Time [µsec]	50	50	50	50	50	50
Nominal Turn-On Time [µsec]	10	10	10	10	10	10
Max. Turn-Off Time [µsec]	100	100	100	100	100	100
Derating [mA per °C]	33 Above 25° C			20 Above 60° C		
Fuse Rating [fast-acting] (X4 Series Only)	4A	4A	4A	4A	4A	4A

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For recommended applications and more information contact:

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CRYDOM
Control over power

Operating temperature range	−30 to +80°C
Storage temperature range	−40 to +100°C
Isolation	4,000 Vrms
Capacitance input to output	8 pF
Package Color	Red

