

crydom® PC Mount Solid State Relays



Fig. 1

Series AO/ASO

Series DO/DMO

Series SPA

Series AO/ASO • SPST-NO miniature SIP solid state relays • Designed for switching highly inductive, low current loads such as solenoids. Also suitable for all loads up to 1.5A. R suffix are random turn-on versions.

Series DO/DMO • SPST DC bipolar transistor output relays in epoxy-coated packages utilize the popular .10" grid lead spacing. DMO063 is MOSFET output rated at 3A/60VDC.

Fig. 2

Series D2W

Series CX - CMX

Series D2W • Printed Circuit Board Mounting • Features an epoxy-coated package for exceptional environmental protection • Pinouts are compatible with OAC type I/O modules.

Series CX - CMX • Ultra High Surge • Printed Circuit Board Mounting • SPST-NO relays achieve the highest power switching capability in a PC-mounted air-cooled package. Advanced features include exceptional steady state current, plus ultra-high surge ratings. 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 OAC type I/O modules.

Fig. 3

MCX and LC SIP SSR Relays

The MCX relays are 1.5A rated SPST-NO relays designed for switching highly inductive loads such as solenoids and motor loads. The LC series is a compact low cost series designed with a triac for general purpose switching applications. Both series available in zero-cross or random switching (phase controlled) versions (R suffix).

Fig. 4

Series DPA/SDV/SDI Dip Relays — SCR Output

The series DPA is offered in your choice of voltage or current operated versions and are rated at 1A. The series SDV/SDI's are rated at 1.5A at ambient temperatures of 40°C. Available in either zero-cross or random turn-on (R) versions and current or voltage operated (controlled) versions. SDV series are voltage controlled and SDI series are current controlled.

Fig. 5

Series	L	W	H
MP	1.70 (43.18)	.40 (10.16)	1.00 (25.4)
CN	1.10 (28.0)	.20 (5.0)	.59 (15.0)

Series MP/CN

These series are SPST PC-mount relays that provide packaging density.

Fig. 6

Series DRACN

This series is DIN Rail mounted with long endurance testing cycle times. They feature yellow LED status indicator and carry UL/cUL and CE approvals

Fig.	Circuitry	Input Voltage	Output Voltage	Load Current (Amps)	Digi-Key Part No.	Price Each	1	10	25	Crydom Part No.
Series AO — DC Input, AC Output — SCR Type										
1	SPST-NO	4 - 10VDC	12 - 280VAC	.02 - 1.0	CC1049-ND	10.49	10.00	9.77		AO241
	SPST-NO	4 - 10VDC	12 - 280VAC	.02 - 1.5	CC1050-ND	8.69	8.28	8.09		ASO241
	SPST-NO	4 - 10VDC	12 - 280VAC	.02 - 1.5	CC1116-ND	9.35	8.92	8.71		ASO241R
	SPST-NO	4 - 10VDC	12 - 280VAC	.06 - 2.0	CC1336-ND	10.49	10.00	9.77		ASO242
	SPST-NO	4 - 10VDC	12 - 280VAC	.06 - 2.0	CC1337-ND	11.16	10.64	10.40		ASO242R
	Series DO/DMO — DC Input, DC Output — Bipolar Type									
1	SPST-NO	3 - 9VDC	3 - 60VDC	.02 - 1.0	CC1060-ND	13.35	12.73	12.44		DO061A
	SPST-NO	1.7 - 9VDC	3 - 60VDC	.02 - 1.0	CC1061-ND	13.35	12.73	12.44		DO061B
	SPST-NO	3 - 10VDC	0 - 60VDC	0 - 3	CC1139-ND	16.02	15.27	14.92		DMO063
	Series DO — DC Input, DC Output — Normally Closed									
1	SPST-NC	3 - 9VDC	3 - 60VDC	.02 - 1.0	CC1587-ND	16.68	15.90	15.54		DO061A-B
	SPST-NC	1.7 - 9VDC	3 - 60VDC	.02 - 1.0	CC1588-ND	16.68	15.90	15.54		DO061B-B
Series D2W — DC Input, AC Output — Triac Type										
2	SPST-NO	3 - 32VDC	24 - 280VAC	.02 - 1.0	CC1069-ND	8.93	8.52	8.32		D2W202F
	SPST-NO	3 - 32VDC	24 - 280VAC	.06 - 3.0	CC1118-ND	9.47	9.02	8.81		D2W203F
	SPST-NO	3 - 32VDC	24 - 280VAC	.06 - 3.5	CC1062-ND	9.99	9.52	9.30		D2W203F-11
Series CX/CMX — DC or AC Input, DC or AC Output										
2	SPST-NO	90 - 140VAC	12 - 280VAC	.06 - 5.0	CC1332-ND	11.79	11.24	10.98		CX240A5
	SPST-NO	90 - 140VAC	48 - 530VAC	.06 - 5.0	CC1596-ND	12.45	11.87	11.60		CX240A5R
	SPST-NO	3 - 15VDC	12 - 280VAC	.06 - 5.0	CC1063-ND	10.55	10.06	9.83		CX240D5
	SPST-NC	4 - 28VDC	12 - 280VAC	.06 - 5.0	CC1665-ND	13.89	13.24	12.94		CX240D5-B
	SPST-NO	3 - 15VDC	12 - 280VAC	.06 - 5.0	CC1119-ND	11.23	10.70	10.46		CX240D5R
	SPST-NO	4 - 10VDC	12 - 280VAC	.025 - 1.5	CC1600-ND	8.65	8.24	8.06		CX241
	SPST-NO	4 - 10VDC	12 - 280VAC	.025 - 1.5	CC1601-ND	9.31	8.88	8.67		CX241R
	SPST-NO	4 - 13VDC	48 - 530VAC	.06 - 5.0	CC1120-ND	13.47	12.84	12.55		CX380D5
	SPST-NO	3 - 15VDC	48 - 530VAC	.06 - 5.0	CC1597-ND	14.13	13.47	13.17		CX380D5R
	SPST-NO	4 - 13VDC	48 - 660VAC	.06 - 5.0	CC1065-ND	14.81	14.12	13.80		CX480D5
	SPST-NO	15 - 32VDC	48 - 660VAC	.06 - 5.0	CC1598-ND	16.15	15.40	15.04		CX480D5R
	SPST-NO	15 - 32VDC	12 - 280VAC	.06 - 5.0	CC1333-ND	11.79	11.24	10.98		CXE240A5
	SPST-NO	18 - 36VAC	12 - 280VAC	.06 - 5.0	CC1668-ND	12.45	11.87	11.60		CXE240A5R
	SPST-NO	15 - 32VDC	12 - 280VAC	.06 - 5.0	CC1064-ND	10.55	10.06	9.83		CXE240D5
	SPST-NO	15 - 32VDC	12 - 280VAC	.06 - 5.0	CC1669-ND	11.23	10.70	10.46		CXE240D5R
	SPST-NO	3 - 15VDC	48 - 530VAC	.06 - 5.0	CC1599-ND	13.47	12.84	12.55		CXE380D5
	SPST-NO	3 - 10VDC	0 - 100VDC	0 - 6.0	CC1124-ND	27.31	26.03	25.43		CMX100D6

Fig.	Circuitry	Input Voltage	Output Voltage	Load Current (Amps)	Digi-Key Part No.	Price Each	1	10	25	Crydom Part No.
2	SPST-NO	4 - 10VDC	0 - 200VDC	0 - 3.0	CC1664-ND	28.68	27.34	26.72		CMX200D3
	SPST-NO	3 - 10VDC	0 - 60VDC	0 - 5.0	CC1667-ND	22.14	21.11	20.62		CMX60D5
	SPST-NO	3 - 10VDC	0 - 60VDC	0 - 10	CC1125-ND	27.31	26.03	25.43		CMX60D10
	SPST-NO	3 - 10VDC	0 - 100VDC	0 - 10	CC1709-ND	31.17	29.71	29.02		CMX100D10
	SPST-NO	3 - 10VDC	0 - 60VDC	0 - 20	CC1666-ND	45.00	42.90	41.91		CMX60D20
	Series MCX Relays — AC Output SIP									
3	SPST-NO	4 - 10VDC	12 - 280VAC	.025 - 1.5	CC1551-ND	10.65	9.32	8.53		MCX241
	SPST-NO	3 - 15VDC	12 - 280VAC	.06 - 5.0	CC1602-ND	12.15	11.58	11.32		MCX240D5
	SPST-NO	3 - 15VDC	12 - 280VAC	.06 - 5.0	CC1603-ND	12.81	12.22	11.94		MCX240D5R
	SPST-NO	4 - 15VDC	48 - 530VAC	.06 - 5.0	CC1604-ND	15.48	14.76	14.42		MCX380D5
	SPST-NO	4 - 15VDC	48 - 530VAC	.06 - 5.0	CC1605-ND	16.15	15.40	15.04		MCX380D5R
Series LC — AC Output Mini-SIP — Triac Output										
3	SPST-NO	4 - 10VDC	12 - 280VAC	.025 - 1.5	CC1586-ND	7.38	7.04	6.88		LC241
	SPST-NO	4 - 10VDC	12 - 280VAC	.025 - 1.5	CC1585-ND	8.05	7.68	7.50		LC241R
Series DPA/SDV/SDI Dip Relays — SCR Output										
4	SPST-NO	10 - 35mA	20 - 140VAC	.025 - 1.0	CC1153-ND	8.35	7.96	7.78		DPA4111
	SPST-NO	3.5 - 10VDC	20 - 140VAC	.025 - 1.0	CC1154-ND	8.35	7.96	7.78		DPA4119
	SPST-NO	10 - 35mA	20 - 280VAC	.025 - 1.0	CC1155-ND	8.62	8.22	8.03		DPA6111
	SPST-NO	3.5 - 10VDC	20 - 280VAC	.025 - 1.0	CC1156-ND	8.62	8.22	8.03		DPA6119
	SPST-NO	3.5 - 10VDC	12 - 280VAC	.025 - 1.5	CC1157-ND	8.90	8.49	8.30		SDV2415
	SPST-NO	3.5 - 10VDC	12 - 280VAC	.025 - 1.5	CC1158-ND	9.57	9.13	8.92		SDV2415R
Series MP Relays — DC Input, DC or AC Output										
5	SPST-NO	3 - 32VDC	12 - 140VAC	.02 - 3	CC1611-ND	16.19	15.44	15.08		MP120D3
	SPST-NO	3 - 32VDC	24 - 280VAC	.02 - 3	CC1612-ND	16.47	15.70	15.34		MP240D3
	SPST-NO	3 - 32VDC	3 - 60VDC	.02 - 3	CC1613-ND	16.90	16.11	15.74		MPDCD3
	SPST-NC	3 - 10VDC	0 - 60VDC	0 - 3	CC1589-ND	20.24	19.29	18.84		MPDCD3-B
	Series CN Relays									
5	SPST-NO	3 - 12VDC	0 - 24VDC	1 - 3.5	CC1742-ND	13.09	12.47	12.23		CN024D05
	SPST-NO	15 - 30VDC	0 - 24VDC	1 - 3.5	CC1743-ND	13.09	12.47	12.23		CN024D24
	SPST-NO	3 - 12VDC	0 - 240VAC	1 - 2	CC1744-ND	9.83	9.37	9.19		CN240A05
	SPST-NO	15 - 30VDC	0 - 240VAC	1 - 2	CC1745-ND	9.83	9.37	9.19		CN240A24
Series DRACN Relays										
6	SPST-NO	3 - 12VDC	0 - 24VDC	1 - 3.5	CC1746-ND	30.25	28.79	28.24		DRA-CN024D05
	SPST-NO	15 - 30VDC	0 - 24VDC	1 - 3.5	CC1747-ND	29.85	28.41	27.87		DRA-CN024D24
	SPST-NO	3 - 12VDC	0 - 240VAC	1 - 2	CC1748-ND	26.99	25.69	25.20		DRA-CN240A05
	SPST-NO	15 - 30VDC	0 - 240VAC	1 - 2	CC1750-ND	26.59	25.31	24.83		DRA-CN240A24

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