

### DRA1 MCX Series



- 10mm Single Channel DIN Rail Mount SSR Assembly
- AC Ratings up to 380 VAC and 5 Amps
- 3-15 and 15-32VDC control
- Cage style screw terminals for easy connection
- Fits standard 35mm DIN rail
- Includes LED Status indicator

### PRODUCT SELECTION

Description	5 A	5 A
3-15 VDC Control	DRA1-MCX240D5	
4-15 VDC Control		DRA1-MCX380D5
15-32 VDC Control	DRA1-MCXE240D5	DRA1-MCXE380D5

### OUTPUT SPECIFICATIONS (1)

Description	MCX(E)240x5	MCX(E)380x5
Operating Voltage [VAC]	12-280	48-380**
Transient Overvoltage [Vpk]	600	1200
Maximum Load Current [Arms] (2)	5	5
Minimum Load Current [Arms]	0.06	0.06
Maximum Off-State Leakage Current @ Rated Voltage [mA <sub>rms</sub> ]	0.1	0.1
Minimum off-state dv/dt @ maximum rated voltage [V/μsec] (3)	500	500
Maximum 1 Cycle Surge Current (50/60 Hz) [A <sub>pk</sub> ]	239/250	239/250
Maximum I <sup>2</sup> t for fusing (50/60 Hz, 1/2 cycle) [A <sup>2</sup> sec]	285/260	285/260
Maximum On-State Voltage Drop @ Rated Current [V <sub>pk</sub> ]	1.4	1.4

### INPUT SPECIFICATIONS (1)

Description	DRA1-MCX	DRA1-MCX380D5	DRA1-MCXE
Control Voltage Range	3-15 VDC	4-15 VDC	15-32 VDC
Must Turn On Voltage	3.0 VDC	4.0 VDC	15.0 VDC
Must Turn Off Voltage	1.0 VDC	1.0 VDC	1.0 VDC
Typical Input Current	15 mA <sub>dc</sub>	15 mA <sub>dc</sub>	15 mA <sub>dc</sub>
Nominal Input Impedance	300 Ohm	240 Ohm	1500 Ohm
Maximum Turn-On Time [msec]	1/2 Cycle	1/2 Cycle	1/2 Cycle
Maximum Turn-Off Time [μsec]	1/2 Cycle	1/2 Cycle	1/2 Cycle

### GENERAL SPECIFICATIONS

Description	Parameters
Dielectric Strength, Input/Output/Base (50/60Hz)	4000 VRMS
Minimum Insulation Resistance (@ 500 VDC)	10 <sup>9</sup> Ohms
Maximum Capacitance, Input/Output	10 pF
Ambient Operating Temperature Range	-30 to 80°C
Ambient Storage Temperature Range	-30 to 125 °C
Weight (typical)	0.08 lb (36.4g)
Encapsulation	Themally Conductive Epoxy

### GENERAL NOTES

- 1) All parameters at 25°C unless otherwise specified.
- 2) See derating chart on page 3.
- 3) Off-State dv/dt test method per EIA/NARM standard RS-443, paragraph 13.11.1

\*\*NOTE: Voltages in excess of 380V will damage output terminals.