

### OUTPUT SPECIFICATIONS <sup>(1)</sup>

Description	DRC3Pxxxx	DRC3Pxxxx-2	DRC3R40xxx	DRC3R48xxx
Operating Voltage (47-63Hz) [Vrms]	48-530	48-530	48-415	48-510
Transient Overvoltage [Vpk] <sup>(2)</sup>	1200	1200	1200	1600
Maximum Off-State Leakage Current @ Rated Voltage [mArms]	3.0	3.0	3.5	3.5
Maximum Off-State dv/dt @ Maximum Rated Voltage [V/μsec]	500	500	500	500
Load Current, Resistive UL508/AC51 @ 40°C [Arms] <sup>(3)</sup>	5	7.6	7.6	7.6
Load Current, Motor Controller UL508/AC53 @ 480VAC [Arms] <sup>(3)</sup>	4.8	7.6	7.6	7.6
Minimum Load Current [Arms]	0.15	0.15	0.15	0.15
Maximum Surge Current [Apk] 1 Cycle 60Hz	750	750	750	625
Maximum Surge Current [Apk] 1 Cycle 50Hz	716	716	716	597
Maximum I <sup>2</sup> t for Fusing (8.33msec)[A <sup>2</sup> sec]	2330	2330	2330	1621
Maximum I <sup>2</sup> t for Fusing (10msec)[A <sup>2</sup> sec]	2560	2560	2560	1779
Maximum On-State Voltage Drop @ Rated Current [Vrms]	1.15 per channel	1.15 per channel	1.15 per channel	1.5 per channel
Minimum Power Factor (with Maximum Load)	0.5	0.5	0.5	0.5
Ratings according to UL 508/IEC60947-4-2 [HP/KW]: 240 VAC	1/1.75	2/1.5	2/1.5	2/1.5
Ratings according to UL 508/IEC60947-4-2 [HP/KW]: 400 VAC	2/1.5	3/2.2	3/2.2	3/2.2
Ratings according to UL 508/IEC60947-4-2 [HP/KW]: 480 VAC	3/2.2	5/3.7	-	5/3.7

### INPUT SPECIFICATIONS <sup>(1)</sup>

Description	Option A	Option B	Option D
Control Voltage Range	208-265 (VAC)	90-140 (VAC)	18-30 (VAC / VDC)
Minimum Turn-On Voltage <sup>(5)</sup>	208 (VAC)	90 (VAC)	18 (VAC / VDC)
Must Turn-Off Voltage	60 (VAC)	20 (VAC)	7 (VAC / VDC)
Minimum Input Current (for on-state) [mA]	5.5	5	10
Maximum Input Current [mA]	7.7	8	22
Nominal Input Impedance	36 K	16.4 K	1.3 K
Maximum Delay to Turn-On [msec] <sup>(8)</sup>	20	20	20
Maximum Turn-Off Time [msec] <sup>(9)</sup>	30	30	30

### SOLID STATE AUXILIARY CONTACTS <sup>(1)</sup>

Description	Normally Open Suffix 2x,1x	Normally Closed Suffix x1
Operating Voltage Range (47-63Hz) [Vrms]	18-280	18-280
Transient Overvoltage [Vpk]	600	600
Maximum Load Current [Arms]	1	1
Minimum Load Current [Arms]	0.005	0.005
Maximum Surge Current [Apk] 1 Cycle 60Hz	40	40
Maximum Surge Current [Apk] 1 Cycle 50Hz	38	38
Maximum I <sup>2</sup> t for Fusing (8.33msec)[A <sup>2</sup> sec]	6.7	6.7
Maximum I <sup>2</sup> t for Fusing (10msec)[A <sup>2</sup> sec]	7.2	7.2
Maximum Off-State Leakage Current @ Rated Voltage [mArms]	0.1	5 mA
Minimum Off-State dv/dt @ Maximum Rated Voltage [V/μsec]	500	500
Maximum Delay to Turn-On [msec] <sup>(8)</sup>	20	20
Maximum Turn-Off Time [msec] <sup>(9)</sup>	30	30

### GENERAL SPECIFICATIONS <sup>(1)</sup>

Description	Parameters
Dielectric Strength, Input/Output/Base (50/60Hz) <sup>(4)</sup>	3750 Vrms
Minimum Insulation Resistance (@ 500 V DC)	10 <sup>9</sup> Ohm
Maximum Capacitance, Input/Output	20 pF
Ambient Operating Temperature Range	-30 to 80 °C
Ambient Storage Temperature Range	-40 to 100 °C
Weight (typical)	2 Controlled Legs (6.940 oz [196.7 g]) / 3 Controlled Legs (8.050 oz [228 g])
Housing Material	UL94 V-0
Housing Color	Black and Light Gray
LED Status Indicator (color)	Forward (Green) / Reverse (Amber) <sup>(7)</sup>
Short Circuit Current Rating	100KA <sup>(10)</sup>
Pollution Degree	2
Protection Degree	IP20
Humidity	85% non-condensing
Control and Auxiliary Contact Terminal Screw Torque Range (in-lbs/Nm)	12 / 1.36
Load Terminal Screw Torque Range (in-lbs/Nm)	15 / 1.7
Input Terminal Wire Capacity	18-12 AWG (IEC 1-4 mm <sup>2</sup> ) (standed /solid)
Output Terminal Wire Capacity	18-10 AWG (IEC 1-6 mm <sup>2</sup> ) (standed /solid)