

## 53RV Series

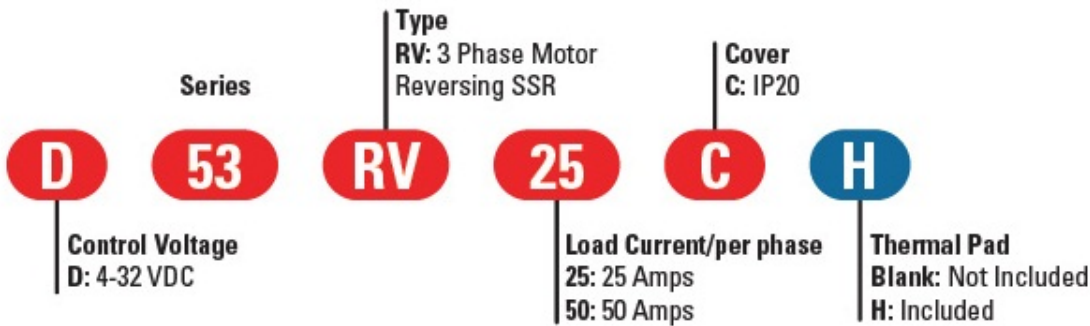


- Three-phase Motor Reversing solid-state relay;
- Ratings from 25A and 50A per phase @ 48-530 VAC
- Interlock Circuit Prevents Inadvertent Actuation of Both Directions
- SCR output for heavy industrial loads
- DC control
- LED input status indicator

### PRODUCT SELECTION

Control Voltage	25A	50A
4-32 VDC	D53RV25C	D53RV50C

### AVAILABLE OPTIONS



- Required for valid part number
- For options only and not required for valid part number

### OUTPUT SPECIFICATIONS (1)

Description	D53RV25C	D53RV50C
Operating Voltage (47-63Hz) [Vrms]	48-530	48-530
Maximum Load Current [Arms] (2)	25	50
Transient Overvoltage [Vpk]	1100	1100
Maximum Off-State Leakage Current @ Rated Voltage [mArms] (3)	6	6
Minimum Load Current [Arms]	0.1	0.1
Maximum Surge Current 50/60 Hz (16.6ms) [Apk]	475/500	710/750
1 Second Surge Current 50/60 Hz [Apk]	100	150
Maximum On-State Voltage Drop @ Rated Current [Vpk]	1.35	1.35
Maximum I <sup>2</sup> T for Fusing (50/60 Hz, 1/2 cycle) [A <sup>2</sup> sec]	1139/1038	2520/2320
Thermal Resistance Junction to Case [Rjc] [°C/W]	0.26	0.25
Minimum Off-State dv/dt @ Maximum Rated Voltage [V/μsec] (4)	500	500
UL/IEC 60947 Motor Control Ra ings @ 120V [HP/KW] (5)	0.75/0.56	1.5/1.11
UL/IEC 60947 Motor Control Ra ings @ 240V [HP/KW] (5)	1/0.74	3/2.22
UL/IEC 60947 Motor Control Ra ings @ 380V [HP/KW] (5)	2/1.48	5/3.7
UL/IEC 60947 Motor Control Ra ings @ 480V [HP/KW] (5)	3/2.22	7.5/5.55