

MERCURY CONTACTORS RATINGS

RATINGS ARE IN AMPS UNLESS OTHERWISE SPECIFIED

		30 NO	35 NO	35 NO (H)	35 NC	60 NO	60 NO (H)	60 NC	100 NO	100 NO	100 NO (H)	100 NC	100 NO (H)
A.C. RESISTIVE	240 V	30	35	35	35	60	60	60	100	100	100	100	100
	480 V	30	35	35	35	60	60	60	80	100	80	100	100
	600 V	30	35	-	-	48	-	-	70	80	70	80	80
A.C. INDUCTIVE P.F. .4 OR GREATER	120 V	-	-	25	25	-	30	30	-	-	-	-	100
	240 V	-	-	15	15	-	20	20	-	-	-	-	100
GENERAL PURPOSE P.F. .7 OR GREATER	240 V	-	-	35	35	-	60	60	-	-	100	80	100
	480 V	-	-	-	-	-	-	-	-	-	80	100	100
D.C. RESISTIVE HEATING	48 V	-	-	35	35	-	60	60	-	-	-	-	100
	125 V	-	-	16	16	-	40	40	-	-	-	-	50
	250 V	-	-	12	12	-	20	20	-	-	-	-	30
TUNGSTEN LAMP	120 V	30	35	35	60	60	100	100	-	-	-	-	100
MOTOR LOADS	SINGLE PHASE	120 V	-	1 H.P.	2 H.P.	-	3 H.P.	-	-	-	-	-	7.5 H.P.
		240 V	-	1 H.P.	3 H.P.	-	5 H.P.	-	-	-	-	-	10 H.P.
	THREE PHASE	240 V	-	-	5 H.P.	-	7.5 H.P.	-	-	-	-	-	15 H.P.
		480 V	-	-	7.5 H.P.	-	10 H.P.	-	-	-	-	-	20 H.P.

KEY: SHADED AREA FOR UL LISTING AND/OR COMPONENT RECOGNITION.
 - NOT RECOMMENDED FOR THIS TYPE OF LOAD.

SOLID STATE RELAY RATINGS

See Page 16 for HPR Series
 See Page 15 for 3PSS60A75

CATALOG NUMBER	HPR48A25 HPR48D25	HPR48A50 HPR48D50	HPR48A75 HPR48D75	HPR48A100 HPR48D100	3PSS60A75
Rated operational current AC51 @ Ta=25°C AC53a @ Ta=25°C	25 AMPS rms 5 AMPS rms	50 AMPS rms 15 AMPS rms	75 AMPS rms 20 AMPS rms	100 AMPS rms 30 AMPS rms	75 AMPS rms 20 AMPS rms
Minimum operational current	150 mA rms	250 mA rms	400 mA rms	500 mA rms	400 mA rms
Rep. overload current t=1 s	< 55 A rms	< 125 A rms	< 150 A rms	< 200 A rms	< 150 A rms
I²t (10ms) Minimum	525 A²s	1800 A²s	6600 A²s	18000 A²s	6600 A²s

See Page 18 for SSR Series

CATALOG NUMBER	SS20AE-1 SS20AU-1 SS20DE-1 SS20DU-1	SS30AE-1 SS30AU-1 SS30DE-1 SS30DU-1	SS40AE-1 SS40AU-1 SS40DE-1 SS40DU-1	SS60AE-1 SS60AU-1 SS60DE-1 SS60DU-1	SS90AE-1 SS90AU-1 SS90DE-1 SS90DU-1
Rated operational current AC51 @ Ta=25°C AC51 @ Ta=40°C AC53a @ Ta=25°C	20 AAC 20 AAC 5 AAC	30 AAC 30 AAC 8 AAC	47.4 AAC 40 AAC 13 AAC	70.4 AAC 60 AAC 14.8 AAC	85 AAC 85 AAC 18 AAC
Minimum operational current	150 mAAC	250 mAAC	400 mAAC	400 mAAC	400 mAAC
Rep. overload current	60 AAC	84 AAC	126 AAC	144 AAC	168 AAC
I²t (10ms) Minimum	525 A²S	1800 A²S	3200 A²S	3200 A²S	6600 A²S

See Page 25 for 2 & 3 Pole

CATALOG NUMBER	2PSS60A25 2PSS60D25	2PSS60A40 2PSS60D40	2PSS60A75-24DF 2PSS60A75-120F 2PSS60D75-24DF 2PSS60D75-120F	3PSS60A20 3PSS60D20	3PSS60A25 3PSS60D25	3PSS60A30 3PSS60D30	3PSS60A40 3PSS60D40	3PSS60A65-24DF 3PSS60A65-120F 3PSS60A65-120F
Rated operational current AC51 @ Ta=25°C AC51 @ Ta=40°C AC53a @ Ta=25°C	32 AAC 27 AAC 11.5 AAC	50 AAC 40 AAC 16.5 AAC	85 AAC 75 AAC 28 AAC	25 AAC 20 AAC 10 AAC	32 AAC 28 AAC 11 AAC	37 AAC 30 AAC 14 AAC	42 AAC 42 AAC 17 AAC	71 AAC 66 AAC 25 AAC
Minimum operational current	250 mAAC	400 mAAC	500 mAAC	250 mAAC	250 mAAC	400 mAAC	400 mAAC	500 mAAC
Rep. overload current	61 AAC	107 AAC	154 AAC	61 AAC	84 AAC	107 AAC	107 AAC	154 AAC
I²t (10ms) Minimum	1800 A²S	6600 A²S	15000 A²S	1800 A²S	1800 A²S	6600 A²S	6600 A²S	15000 A²S

COIL DATA PER POLE RATINGS ON STANDARD COILS

MDI

CATALOG NUMBER	VOLTAGE	RESISTANCE (D.C. OHMS)	CURRENT (MILLIAMPERES)	VOLT AMPERES (VA)	POWER (WATTS)
30 AMP SERIES (SEE PAGE 5)	SEE PAGE 5	SEE PAGE 5	SEE PAGE 5	SEE PAGE 5	SEE PAGE 5
35NO-24A	24 VAC	50 Ω	242 mA	5.8 VA	2.9 W
35NO-120A	120 VAC	1,250 Ω	53 mA	6.4 VA	3.5 W
35NO-208A	208 VAC	3,400 Ω	30 mA	6.2 VA	3.1 W
35NO-220A	220 VAC	4,800 Ω	28 mA	6.2 VA	3.8 W
35NO-277A	277 VAC	7,900 Ω	20 mA	5.5 VA	3.2 W
35NO-480A	480 VAC	20,000 Ω	12 mA	5.9 VA	3.0 W
35NO-6D	6 VDC	13 Ω	462 mA	2.8 VA	2.8 W
35NO-12D	12 VDC	36 Ω	333 mA	4.0 VA	4.0 W
35NO-24D	24 VDC	176 Ω	136 mA	3.3 VA	3.3 W
35NO-48D	48 VDC	636 Ω	75 mA	3.6 VA	3.6 W
35NO-125D	125 VDC	3,400 Ω	37 mA	4.6 VA	4.6 W
35NO-250D	250 VDC	14,800 Ω	17 mA	4.2 VA	4.2 W
35NC-24A	24 VAC	36 Ω	310 mA	7.4 VA	3.5 W
35NC-120A	120 VAC	960 Ω	65 mA	7.8 VA	3.6 W
35NC-220A	220 VAC	3,400 Ω	31 mA	6.8 VA	3.3 W
35NC-12D	12 VDC	36 Ω	333 mA	4.0 VA	4.0 W
35NC-24D	24 VDC	176 Ω	136 mA	3.3 VA	3.3 W
35NC-48D	48 VDC	560 Ω	86 mA	4.1 VA	4.1 W
35NC-125D	125 VDC	3,400 Ω	37 mA	4.6 VA	4.6 W
60NO-24A	24 VAC	50 Ω	259 mA	6.2 VA	3.4 W
60NO-120A	120 VAC	1,250 Ω	48 mA	5.8 VA	2.9 W
60NO-208A	208 VAC	3,400 Ω	30 mA	6.2 VA	3.1 W
60NO-220A	220 VAC	4,800 Ω	27 mA	5.9 VA	3.5 W
60NO-277A	277 VAC	7,900 Ω	19 mA	5.3 VA	2.9 W
60NO-480A	480 VAC	20,000 Ω	12 mA	5.8 VA	2.9 W
60NO-12D	12 VDC	36 Ω	333 mA	4.0 VA	4.0 W
60NO-24D	24 VDC	140 Ω	171 mA	4.1 VA	4.1 W
60NO-48D	48 VDC	636 Ω	75 mA	3.6 VA	3.6 W
60NO-125D	125 VDC	3,400 Ω	37 mA	4.6 VA	4.6 W
60NO-250D	250 VDC	14,800 Ω	17 mA	4.3 VA	4.3 W
60NC-24A	24 VAC	36 Ω	325 mA	7.8 VA	5.3 W
60NC-120A	120 VAC	960 Ω	69 mA	8.3 VA	4.1 W
60NC-220A	220 VAC	3,400 Ω	34 mA	7.5 VA	3.9 W
60NC-277A	277 VAC	7,900 Ω	26 mA	7.3 VA	5.5 W
60NC-12D	12 VDC	36 Ω	333 mA	4.0 VA	4.0 W
60NC-24D	24 VDC	140 Ω	171 mA	4.1 VA	4.1 W
60NC-48D	48 VDC	560 Ω	86 mA	4.1 VA	4.1 W
60NC-125D	125 VDC	3,400 Ω	37 mA	4.6 VA	4.6 W
100NO-24A	24 VAC	16 Ω	646 mA	15.5 VA	6.7 W
100NO-120A	120 VAC	380 Ω	137 mA	16.4 VA	7.1 W
100NO-220A	220 VAC	1,400 Ω	73 mA	16.1 VA	7.5 W
100NO-277A	277 VAC	2,400 Ω	55 mA	15.2 VA	7.3 W
100NO-480A	480 VAC	6,300 Ω	35 mA	16.8 VA	7.7 W
100NO-24D	24 VDC	65 Ω	369 mA	8.9 VA	8.9 W
100NO-48D	48 VDC	325 Ω	148 mA	7.1 VA	7.1 W
100NO-125D	125 VDC	2,400 Ω	52 mA	6.5 VA	6.5 W
100NC-24A	24 VAC	16 Ω	515 mA	12.4 VA	4.2 W
100NC-120A	120 VAC	380 Ω	110 mA	13.2 VA	4.6 W
100NC-208A	220 VAC	1,400 Ω	55 mA	11.4 VA	4.2 W
100NC-240A	240 VAC	1,685 Ω	49 mA	11.8 VA	4.0 W
100NC-480A	480 VAC	6,300 Ω	27 mA	13.0 VA	4.6 W
100NC-12D	12 VDC	28 Ω	433 mA	5.2 VA	5.2 W
100NC-24D	24 VDC	108 Ω	222 mA	5.3 VA	5.3 W
100NC-48D	48 VDC	380 Ω	126 mA	6.1 VA	6.1 W
100NC-125D	125 VDC	2,400 Ω	52 mA	6.5 VA	6.5 W

- NOTES: 1. Inrush current = 1.5 times the steady state current. (No inrush on DC coils).
2. Minimum operation voltage is 90% of nominal voltage.
3. All AC voltages are 50/60 Hz.
4. For other coils voltages contact the factory
5. Ratings shown are per pole. (Coils are in parallel).