

Replacement AC Magnetic Coils

Table 16.328: Replacement AC Magnet Coils for Magnetic Contactors and Starters

Equipment To Be Serviced				Coil Prefix, or Class and Type	Hz	Suffix Number (Complete Coil Number Consists of the Prefix or the Class and Type, Followed by the Suffix)										Coil VA			
Device	Size	Type	Poles			24 V	110-115 V	120 V	208 V	220 V	240 V	277 V	380 V	440 V	480 V	550 V	600 V	In-rush	Sealed
Coils for Present Design Magnetic Contactors and Starters Classes 8502, 8536, 8538, 8539, 8606, 8630, 8640, 8647, 8650, 8651, 8702, 8736, 8738, 8739, 8810, 8811, 8812, 8903, 8910 [1] and 8940 (except NP)	30 A	L	2-6	9998L	60 50	23 24	— 44	44 45	50 52	[2] 53	53 54	55 —	— 60	— 62	62 63	— 65	65 66	150 140	30 30
			8-12	9998LH	60 50	23 24	— 44	44 45	50 52	[2] 53	53 54	55 —	— 60	— 62	62 63	— 65	65 66	180 170	35 35
		LX (Latch)	2-4	9998L	60 50	23 24	— 44	44 45	50 52	— 53	53 54	55 —	— 60	— 62	62 63	— 65	65 66	150 140	— —
			6-12	9998LH	60 50	23 24	— 44	44 45	50 52	— 53	53 54	55 —	— 60	— 62	62 63	— 65	65 66	180 170	— —
	00	SA [3] (Series B)	All	9998SAC	60 50	23 —	[2] 45	45 —	52 —	[2] 54	54 —	55 —	59 —	[2] 62	62 —	[2] 65	65 —	165 —	33 —
	00, 0, 1, 1-P, & 30 A	SA (Series A) SB, SC, & SM	All	31041400	60 50	20 22	[2] 42	42 43	48 —	[2] 51	51 53	52 —	56 57	58 60	60 [2]	61 62	62 64	245 232	27 26
	2 & 60 A	SD & SP	2 & 3	31063409	60 50	16 17	[2] 38	38 39	44 —	[2] 47	47 48	49 —	53 54	[2] 57	57 —	[2] 60	60 61	311 296	37 36
			4 & 5	31063400	60 50	16 17	[2] 38	38 39	44 —	[2] 47	47 48	49 —	53 54	[2] 57	57 —	[2] 60	60 61	438 429	38 37
	3 & 100 A	DPA12 SE, SQ, & SYD138	2 & 3	31074400	60 50	16 17	[2] 38	38 39	44 —	[2] 47	47 48	49 —	53 54	[2] 57	57 —	[2] 60	60 61	700 678	46 47
			4 & 5	31091400	60 50	— 38	[2] 39	38 39	44 —	[2] 47	47 48	49 —	53 54	[2] 57	57 58	[2] 60	60 61	1185 1260	85 89
	4 & 200 A	SF, SV, & SYD230	All	31091400	60 50	— 38	[2] 39	38 39	44 —	[2] 47	47 48	49 —	53 54	[2] 57	57 58	[2] 60	60 61	1185 1260	85 89
	5 & 300 A	SG, SX, & SYD368 Series A	All	31096400	60 50	— 09	[2] 09	09 10	15 —	[2] 18	18 —	19 —	21 22	[2] 24	24 —	[2] 29	29 30	2970 2970	212 250
			All	31096320	60 50	— 50	[2] 50	50 50	51 —	52 52	52 52	53 —	54 54	55 55	55 55	— —	— —	1300 —	14 —
	6 & 7	SH & SJ	2-3	Coil Part Number 3110440050 (All System Voltages)													1780	48	
	400, 600 & 800 A	SY, SZ, SJ (Elect. Held)		1960	59														
	400, 600 & 800 A	SY, SZ, SJ (Mech. Held)	2-3	31104418	60 50	— —	[2] 09	09 —	15 —	[2] 18	18 —	19 —	— —	[2] 24	24 —	[2] 29	29 —	1530 1250	— —

NOTE: Refer to Table 16.330 for mechanically held unlatch coils.

Table 16.329: Size 5 Coil Modification Kits

Catalog Number	Voltage
9998SG120	120 V
9998SG208	208 V
9998SG240	240 V
9998SG277	277 V
9998SG380	380 V
9998SG480	480 V

NEMA Size 5, Type S, E-Coil Modification Kit

Applies to Classes 8502, 8536, 8538, 8539, 8606, 8630, 8640, 8647, 8650, 8651, 8702, 8736, 8738, 8739, 8810, 8811, 8812, 8910 and 8903. Consists of:

- E-coil
- Armature
- 15 A, 600 V fuse and holder (Class 9999SFR)
- Bottom magnet
- Instruction material

NOTE: No 600 V coil nor mechanically held lighting contactor.

[1] For 8910DPA1 to DPA9, see page 16-88.
[2] Use a 60 Hz coil of the next higher voltage.
[3] Use on Type S Series B devices only.