

Replacement AC Magnetic Coils

Table 16.331: 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	23	—	44	50	^[2] 52	53	55	—	—	62	—	65	150	30
			8-12	9998LH	60	23	—	44	50	^[2] 52	53	55	—	—	62	—	65	180	35
		LX (Latch)	2-4	9998L	60	23	—	44	50	—	53	55	—	—	62	—	65	150	—
			6-12	9998LH	60	23	—	44	50	—	53	55	—	—	62	—	65	180	—
	00	SA ^[3] (Series B)	All	9998SAC	60	23	^[2] 45	—	52	^[2] 54	—	55	—	59	^[2] 62	^[2] 65	—	165	33
	00, 0, 1, 1-P, & 30 A	SA (Series A) SB, SC, & SM	All	31041400	60	20	^[2] 42	42	48	^[2] 51	51	52	56	58	60	^[2] 62	62	245	27
	2 & 60 A	SD & SP	2 & 3	31063409	60	16	^[2] 38	38	44	^[2] 47	47	49	53	^[2] 54	57	^[2] 57	60	311	37
			4 & 5	31063400	60	16	^[2] 38	38	44	^[2] 47	47	49	53	^[2] 54	57	^[2] 57	60	438	38
	3 & 100 A	DPA12, SE, SQ, & SYD138	2 & 3	31074400	60	16	^[2] 38	38	44	^[2] 47	47	49	53	^[2] 54	57	^[2] 57	60	700	46
			4 & 5	31091400	60	—	^[2] 38	38	44	^[2] 47	47	49	53	^[2] 54	57	^[2] 58	60	1185	85
	4 & 200 A	SF, SV, & SYD230	All	31091400	60	—	^[2] 38	38	44	^[2] 47	47	49	53	^[2] 54	57	^[2] 58	60	1185	85
	5 & 300 A	SG, SX, & SYD368 Series A ^[4]	All	31096400	60	—	^[2] 09	09	15	^[2] 18	18	19	21	^[2] 22	24	^[2] 29	29	2970	212
		SG, SX, & SYD368 Series B ^[4]	All	31096320	60	—	50	50	51	52	52	53	54	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
		SY, SZ, SJ (Mech. Held)	2-3	31104418	60	—	^[2] 09	09	15	^[2] 18	18	19	—	^[2] 24	24	^[2] 29	29	1530	—

NOTE: Refer to Table 16.333 for mechanically held unlatch coils.

Table 16.332: 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 for Series A Devices

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 (31096320** from Table 16.331).
- 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 16-90.^[2] Use a 60 Hz coil of the next higher voltage.^[3] Use on Type S Series B devices only.^[4] Size 5 Series A devices should use these only as replacements for the exact part number. Another option is to use the coil modification kits in Table 16.332 for the Series B coil.