



Coil Table – IEC Contactors and Control Relays

Coil Selection

The following is a listing of all standard coil voltages available for Siemens World Series IEC Contactors and Control Relays. Many coils are stocked by local facilities and readily available. Others must be manufactured to your order.

Suffixes for AC Operated Coils

Coils for US and Canada				
Rated Control Voltage		Device		Color Code acc. to IEC 309-1 for 3TF40 to 3TF56 contactors
50Hz V	60Hz V	3TF3 3TF4 3TF50 to 3TF56 3TH3 3TH4		
110	120	K6		yellow
220	240	P6		blue
Coils for Japan				
Rated Control Voltage		Device	Device	Color Code acc. to IEC 309-1 for 3TF40 to 3TF56 contactors
50Hz V	60Hz V	3TF40 to 3TF49	3TF50 to 3TF55	
100	110	—	F6	green
100	100–110	G6	—	green
200	220	—	M6	green
200	200–220	N6	—	green
400	440	—	S6	green
400	400–440	R6	—	green

Coils for 50/60Hz				
Rated Control Voltage		Device	Device	Color Code acc. to IEC 309-1 for 3TF40 to 3TF68 Contactors
50Hz/60Hz V		3TF3 3TF4 3TF50 to 3TF51 3TH3 3TH4	3TF57..-0C1† and 3TF68..-0C1†	
24		C2	—	green
42		D2	—	green
110		G2	—	green
115		J2	—	green
120		K2	—	green
208		M2	—	green
220		N2	—	grey
230		L2	—	green
240		P2	—	green
440		R2	—	green
575		S2	—	green
110–132		—	F7	green
200–240		—	M7	green
380–460		—	O7	green
500–600		—	S7	green

Coils for AC 60Hz				
Rated Control Voltage	Control Voltage at	Device	Device	Color Code acc. to IEC 309-1 for 3TF40 to 3TF56 Contactors
60Hz V	50Hz V	3TF3 3TF4 3TF50 to 3TF51 3TH3 3TH4	3TF52 to 3TF56	
24	20	C1	—	green
42	36	G0	—	green
110	92	G1	G1	green
115	96	J1	J1	green
120	100	K1	K1	green
208	173	M1	M1	green
220	183	N1	N1	green
230	192	L1	L1	green
240	200	P1	P1	green
440	367	R1	R1	green
480	380/400	V0	V0	red
575	480	S1	S1	green
600	500	S0	S0	green
277	220	U1	U1	green

Coils for AC 50Hz				
Rated Control Voltage	Control Voltage at	Device	Device	Color Code acc. to IEC 309-1 for 3TF40 to 3TF56 Contactors
50Hz V	60Hz V	3TF3 3TF4 3TF50 to 3TF51 3TH3 3TH4	3TF52 to 3TF56	
24	29	B0	—	violet
32	38	C0	—	green
36	42	G0	—	green
42	50	D0	—	white
48	58	H0	—	green
60	72	E0	—	green
110	132	F0	F0	yellow
125/127	150/152	L0	L0	blue
220	264	M0	M0	blue
230/220	276	P0	P0	green
240	288	U0	U0	green
380/400	480	V0	V0	green
415	500	R0	R0	green
500	600	S0	S0	green

Suffixes for DC Operated Coils

Rated Control Voltage DC	Device	Device
V	3TF3 3TF40 to 3TF45 3TH3 3TH4	3TF46 to 3TF49 3TF50 to 3TF56
12	A4	—
21.5	U4	—
24	B4	B4
30	C4	C4
36	V4	V4
42	D4	D4
48	W4	W4
60	E4	E4

Rated Control Voltage DC	Device
V	3TF3 3TF4 3TF50 to 3TF56 3TH3 3TH4
110	F4
125	G4
180	K4
220	M4
230	P4
240	O4
250	N4