

### Type T and Type TF

Type T transformers are designed with low impedance windings for excellent voltage regulation and can accommodate the high inrush current associated with contactors, starters, solenoids, and relays. Type T transformers are manufactured using the most advanced insulating materials and are the best choice if size and cost are of concern.

Type TF transformers include factory-installed primary and secondary fuse blocks. Type TF transformers consist of two primary fuse blocks and one secondary fuse block. The primary includes rejection-style clips to increase the AIC ratings for the fuses. Since the fuse blocks are mounted on the top of the transformer, Type TF transformers are interchangeable with Type T transformers except for their increased height.

#### Selection Guide

1. Determine the inrush and sealed VA of each coil in the control circuit and the VA of all other components.
2. Total the **sealed** VA of all operating coils and the VA of all other loads. (This determines the minimum VA size required for the circuit.)
3. Total the **inrush** VA of all coils that are starting at the same time and all loads and coils that are running.
4. Locate a value in the VA column of [Table 14.23 Regulation Chart for Type T, page 14-11](#), shown below, that is **equal to or greater than** the value calculated in step 2.
5. In the VA row selected in step 4, find the inrush value under the appropriate voltage regulation column of [Table 14.23 Regulation Chart for Type T, page 14-11](#), shown below. If this value is **greater than** the calculated value from step 3, this is the correct transformer VA rating.

If the inrush value on the selected VA row is **not greater than** the calculated value from step 3, use the next higher transformer VA rating, that is, the rating on the next row.

If your supply voltage is stable and fluctuates less than 5%, Schneider Electric recommends you use the 90% secondary voltage column. If your supply voltage is not stable and fluctuates more than 10% we recommend you use the 95% secondary voltage column. We recommend that you never use the 85% secondary voltage column since magnetic devices lose life expectancy if they are continuously started at 85% of rated voltage.

**Table 14.23: Regulation Chart for Type T**

VA	Inrush VA @ 20% power factor			Inrush VA @ 40% power factor		
	95% Secondary Voltage	90% Secondary Voltage	85% Secondary Voltage	95% Secondary Voltage	90% Secondary Voltage	85% Secondary Voltage
50	193	266	339	151	215	282
75	271	396	500	210	318	430
100	339	499	659	266	404	549
150	666	893	1120	529	731	942
200	588	815	1041	459	659	866
250	1416	1910	2388	1057	1494	1936
300	1634	2184	2709	1194	1681	2169
350	1894	2592	3261	1392	2005	2621
500	3197	4104	4981	2374	3195	4019
750	3770	5515	7231	2887	4391	5945
1000	6587	9079	11430	4706	6886	9051
1500	19324	23983	28607	15066	19361	23756
2000	31384	38777	6161	24794	31630	38667
3000	26539	39934	52713	19355	30721	42216
5000	53111	85265	116277	39368	66309	93882



Table 14.24: 240 x 480 V Primary, 120 V Secondary; 230 x 460 V Primary, 115 V Secondary; 220 x 440 V Primary, 110 V Secondary

VA		Type T	Type TF	Weight	Height				Width		Depth		Accessory Fingersafe Covers
UL/CSA/NOM	CE	Catalog No			Type T		Type TF		In	mm	In	mm	
		In	mm		In	mm							
25	25	9070T25D1	9070TF25D1	2.5	2.58	66	4.00	102	3.00	76	3.09	79	FSC1
50	50	9070T50D1	9070TF50D1	2.5	2.58	66	4.00	102	3.00	76	3.09	79	FSC1
75	75	9070T75D1	9070TF75D1	3.8	2.89	73	4.18	106	3.38	86	3.34	85	FSC1
100	100	9070T100D1	9070TF100D1	3.8	2.89	73	4.18	106	3.38	86	3.34	85	FSC1
150	150	9070T150D1	9070TF150D1	5.5	3.20	81	4.50	114	3.75	95	3.59	91	FSC1
200	200	9070T200D1	9070TF200D1	5.5	3.20	81	4.50	114	3.75	95	3.59	91	FSC1
250	160	9070T250D1	9070TF250D1	7.1	3.20	81	4.50	114	3.75	95	5.30	135	FSC2
300	200	9070T300D1	9070TF300D1	8.5	3.84	98	5.13	130	4.50	114	4.74	120	FSC2
350	250	9070T350D1	9070TF350D1	10.5	3.84	98	5.13	130	4.50	114	5.11	130	FSC2
500	300	9070T500D1	9070TF500D1	11.9	3.84	98	5.13	130	4.50	114	5.49	139	FSC2
750	500	9070T750D1	9070TF750D1	11.0	4.51	115	5.80	147	5.25	133	5.61	143	FSC2
1000	630	9070T1000D1	9070TF1000D1	20.6	4.51	115	5.80	147	5.25	133	6.30	160	FSC2
1500	1000	9070T1500D1	9070TF1500D1	34.0	6.17	157	7.46	190	7.06	179	5.92	150	FSC2
2000	1500	9070T2000D1	9070TF2000D1	47.0	6.17	157	7.46	190	7.06	179	7.17	182	FSC2
3000	2000	9070T3000D1	—	60.0	8.75	222	—	—	9.00	229	7.24	184	FSC2
5000	3000	9070T5000D1	—	89.0	8.75	222	—	—	9.00	229	9.15	232	FSC2

Table 14.25: 208 Vac Primary, 120 Vac Secondary

VA		Type T	Type TF	Weight	Height				Width		Depth		Accessory Fingersafe Covers
UL/CSA/NOM	CE	Catalog No			Type T		Type TF		In	mm	In	mm	
		In	mm		In	mm							
25	25	9070T25D3	9070TF25D3	2.5	2.58	66	4.00	102	3.00	76	3.09	79	FSC1
50	50	9070T50D3	9070TF50D3	2.5	2.58	66	4.00	102	3.00	76	3.09	79	FSC1
75	75	9070T75D3	9070TF75D3	3.8	2.89	73	4.18	106	3.38	86	3.34	85	FSC1
100	100	9070T100D3	9070TF100D3	3.8	2.89	73	4.18	106	3.38	86	3.34	85	FSC1
150	150	9070T150D3	9070TF150D3	5.5	3.20	81	4.50	114	3.75	95	3.59	91	FSC1
200	200	9070T200D3	9070TF200D3	5.5	3.20	81	4.50	114	3.75	95	3.59	91	FSC1
250	160	9070T250D3	9070TF250D3	7.1	3.20	81	4.50	114	3.75	95	5.30	135	FSC2
300	200	9070T300D3	9070TF300D3	8.5	3.84	98	5.13	130	4.50	114	4.74	120	FSC2
350	250	9070T350D3	9070TF350D3	10.5	3.84	98	5.13	130	4.50	114	5.11	130	FSC2
500	300	9070T500D3	9070TF500D3	11.9	3.84	98	5.13	130	4.50	114	5.49	139	FSC2
750	500	9070T750D3	9070TF750D3	11.0	4.51	115	5.80	147	5.25	133	5.61	143	FSC2
1000	630	9070T1000D3	9070TF1000D3	20.6	4.51	115	5.80	147	5.25	133	6.30	160	FSC2
1500	1000	9070T1500D3	9070TF1500D3	34.0	6.17	157	7.46	190	7.06	179	5.92	150	FSC2
2000	1500	9070T2000D3	9070TF2000D3	47.0	6.17	157	7.46	190	7.06	179	7.17	182	FSC2
3000	2000	9070T3000D3	—	60.0	8.75	222	—	—	9.00	229	7.24	184	FSC2
5000	3000	9070T5000D3	—	89.0	8.75	222	—	—	9.00	229	9.15	232	FSC2

Table 14.26: 600 Vac Primary, 120 Vac Secondary

VA		Type T	Type TF	Weight	Height				Width		Depth		Accessory Fingersafe Covers
UL/CSA/NOM	CE	Catalog No			Type T		Type TF		In	mm	In	mm	
		In	mm		In	mm							
25	25	9070T25D5	9070TF25D5	2.5	2.58	66	4.00	102	3.00	76	3.09	79	FSC1
50	50	9070T50D5	9070TF50D5	2.5	2.58	66	4.00	102	3.00	76	3.09	79	FSC1
75	75	9070T75D5	9070TF75D5	3.8	2.89	73	4.18	106	3.38	86	3.34	85	FSC1
100	100	9070T100D5	9070TF100D5	3.8	2.89	73	4.18	106	3.38	86	3.34	85	FSC1
150	150	9070T150D5	9070TF150D5	5.5	3.20	81	4.50	114	3.75	95	3.59	91	FSC1
200	200	9070T200D5	9070TF200D5	5.5	3.20	81	4.50	114	3.75	95	3.59	91	FSC1
250	160	9070T250D5	9070TF250D5	7.1	3.20	81	4.50	114	3.75	95	5.30	135	FSC2
300	200	9070T300D5	9070TF300D5	8.5	3.84	98	5.13	130	4.50	114	4.74	120	FSC2
350	250	9070T350D5	9070TF350D5	10.5	3.84	98	5.13	130	4.50	114	5.11	130	FSC2
500	300	9070T500D5	9070TF500D5	11.9	3.84	98	5.13	130	4.50	114	5.49	139	FSC2
750	500	9070T750D5	9070TF750D5	11.0	4.51	115	5.80	147	5.25	133	5.61	143	FSC2
1000	630	9070T1000D5	9070TF1000D5	20.6	4.51	115	5.80	147	5.25	133	6.30	160	FSC2
1500	1000	9070T1500D5	9070TF1500D5	34.0	6.17	157	7.46	190	7.06	179	5.92	150	FSC2
2000	1500	9070T2000D5	9070TF2000D5	47.0	6.17	157	7.46	190	7.06	179	7.17	182	FSC2
3000	2000	9070T3000D5	—	60.0	8.75	222	—	—	9.00	229	7.24	184	FSC2
5000	3000	9070T5000D5	—	89.0	8.75	222	—	—	9.00	229	9.15	232	FSC2

Table 14.27: 277 Vac Primary, 120 Vac Secondary

VA		Type T	Type TF <sup>[1]</sup>	Weight	Height				Width		Depth		Accessory Fingersafe Covers
UL/CSA/NOM	CE	Catalog No			Type T		Type TF		In	mm	In	mm	
		In	mm		In	mm							
25	25	9070T25D4	—	2.5	2.58	66	—	—	3.00	76	3.09	79	FSC1
50	50	9070T50D4	—	2.5	2.58	66	—	—	3.00	76	3.09	79	FSC1
75	75	9070T75D4	—	3.8	2.89	73	—	—	3.38	86	3.34	85	FSC1
100	100	9070T100D4	—	3.8	2.89	73	—	—	3.38	86	3.34	85	FSC1
150	150	9070T150D4	—	5.5	3.20	81	—	—	3.75	95	3.59	91	FSC1
200	200	9070T200D4	—	5.5	3.20	81	—	—	3.75	95	3.59	91	FSC1
250	160	9070T250D4	—	7.1	3.20	81	—	—	3.75	95	5.30	135	FSC2
300	200	9070T300D4	—	8.5	3.84	98	—	—	4.50	114	4.74	120	FSC2
350	250	9070T350D4	—	10.5	3.84	98	—	—	4.50	114	5.11	130	FSC2
500	300	9070T500D4	—	11.9	3.84	98	—	—	4.50	114	5.49	139	FSC2
750	500	9070T750D4	—	11.0	4.51	115	—	—	5.25	133	5.61	143	FSC2
1000	630	9070T1000D4	—	20.6	4.51	115	—	—	5.25	133	6.30	160	FSC2
1500	1000	9070T1500D4	—	34.0	6.17	157	—	—	7.06	179	5.92	150	FSC2
2000	1500	9070T2000D4	—	47.0	6.17	157	—	—	7.06	179	7.17	182	FSC2
3000	2000	9070T3000D4	—	60.0	8.75	222	—	—	9.00	229	7.24	184	FSC2
5000	3000	9070T5000D4	—	89.0	8.75	222	—	—	9.00	229	9.15	232	FSC2

[1] TF units are design for line to line voltages on the primary, 277 Vac is a line to neutral voltage.

**Table 14.28: 240 x 480 V Primary, 120/240 V Secondary; 230 x 460 V Primary, 115/230 V Secondary; 220 x 440 V Primary, 110/220 V Secondary**

VA		Type T	Type TF [2]	Weight	Height				Width		Depth		Accessory Finger-safe Covers
UL/CSA/NOM	CE	Catalog No			Type T		Type TF		In	mm	In	mm	
		In	mm		In	mm							
25	25	9070T25D31	9070TF25D31	2.5	2.58	66	4.00	102	3.00	76	3.09	79	FSC1
50	50	9070T50D31	9070TF50D31	2.5	2.58	66	4.00	102	3.00	76	3.09	79	FSC1
75	75	9070T75D31	9070TF75D31	3.8	2.89	73	4.18	106	3.38	86	3.34	85	FSC1
100	100	9070T100D31	9070TF100D31	3.8	2.89	73	4.18	106	3.38	86	3.34	85	FSC1
150	150	9070T150D31	9070TF150D31	5.5	3.20	81	4.50	114	3.75	95	3.59	91	FSC1
200	200	9070T200D31	9070TF200D31	5.5	3.20	81	4.50	114	3.75	95	3.59	91	FSC1
250	160	9070T250D31	9070TF250D31	7.1	3.20	81	4.50	114	3.75	95	5.30	135	FSC2
300	200	9070T300D31	9070TF300D31	8.5	3.84	98	5.13	130	4.50	114	4.74	120	FSC2
350	250	9070T350D31	9070TF350D31	10.5	3.84	98	5.13	130	4.50	114	5.11	130	FSC2
500	300	9070T500D31	9070TF500D31	11.9	3.84	98	5.13	130	4.50	114	5.49	139	FSC2
750	500	9070T750D31	9070TF750D31	11.0	4.51	115	5.80	147	5.25	133	5.61	143	FSC2
1000	630	9070T1000D31	9070TF1000D31	20.6	4.51	115	5.80	147	5.25	133	6.30	160	FSC2
1500	1000	9070T1500D31	9070TF1500D31	34.0	6.17	157	7.46	190	7.06	179	5.92	150	FSC2
2000	1500	9070T2000D31	9070TF2000D31	47.0	6.17	157	7.46	190	7.06	179	7.17	182	FSC2
3000	2000	9070T3000D31	—	60.0	8.75	222	—	—	9.00	229	7.24	184	FSC2
5000	3000	9070T5000D31	—	89.0	8.75	222	—	—	9.00	229	9.15	232	FSC2

**Table 14.29: 600 Vac Primary, 120/240 Vac Secondary**

VA		Type T	Type TF [2]	Weight	Height				Width		Depth		Accessory Finger-safe Covers
UL/CSA/NOM	CE	Catalog No			Type T		Type TF		In	mm	In	mm	
		In	mm		In	mm							
25	25	9070T25D37	9070TF25D37	2.5	2.58	66	4.00	102	3.00	76	3.09	79	FSC1
50	50	9070T50D37	9070TF50D37	2.5	2.58	66	4.00	102	3.00	76	3.09	79	FSC1
75	75	9070T75D37	9070TF75D37	3.8	2.89	73	4.18	106	3.38	86	3.34	85	FSC1
100	100	9070T100D37	9070TF100D37	3.8	2.89	73	4.18	106	3.38	86	3.34	85	FSC1
150	150	9070T150D37	9070TF150D37	5.5	3.20	81	4.50	114	3.75	95	3.59	91	FSC1
200	200	9070T200D37	9070TF200D37	5.5	3.20	81	4.50	114	3.75	95	3.59	91	FSC1
250	160	9070T250D37	9070TF250D37	7.1	3.20	81	4.50	114	3.75	95	5.30	135	FSC2
300	200	9070T300D37	9070TF300D37	8.5	3.84	98	5.13	130	4.50	114	4.74	120	FSC2
350	250	9070T350D37	9070TF350D37	10.5	3.84	98	5.13	130	4.50	114	5.11	130	FSC2
500	300	9070T500D37	9070TF500D37	11.9	3.84	98	5.13	130	4.50	114	5.49	139	FSC2
750	500	9070T750D37	9070TF750D37	11.0	4.51	115	5.80	147	5.25	133	5.61	143	FSC2
1000	630	9070T1000D37	9070TF1000D37	20.6	4.51	115	5.80	147	5.25	133	6.30	160	FSC2
1500	1000	9070T1500D37	9070TF1500D37	34.0	6.17	157	7.46	190	7.06	179	5.92	150	FSC2
2000	1500	9070T2000D37	9070TF2000D37	47.0	6.17	157	7.46	190	7.06	179	7.17	182	FSC2
3000	2000	9070T3000D37	—	60.0	8.75	222	—	—	9.00	229	7.24	184	FSC2
5000	3000	9070T5000D37	—	89.0	8.75	222	—	—	9.00	229	9.15	232	FSC2

**Table 14.30: 380/400/415 Vac Primary, 115/230 Vac Secondary**

VA		Type T	Type TF	Weight	Height				Width		Depth		Accessory Finger-safe Covers
UL/CSA/NOM	CE	Catalog No			Type T		Type TF		In	mm	In	mm	
		In	mm		In	mm							
25	25	9070T25D33	9070TF25D33	2.5	2.58	66	4.00	102	3.00	76	3.09	79	FSC1
50	50	9070T50D33	9070TF50D33	2.5	2.58	66	4.00	102	3.00	76	3.09	79	FSC1
75	75	9070T75D33	9070TF75D33	3.8	2.89	73	4.18	106	3.38	86	3.34	85	FSC1
100	100	9070T100D33	9070TF100D33	3.8	2.89	73	4.18	106	3.38	86	3.34	85	FSC1
150	150	9070T150D33	9070TF150D33	5.5	3.20	81	4.50	114	3.75	95	3.59	91	FSC1
200	200	9070T200D33	9070TF200D33	5.5	3.20	81	4.50	114	3.75	95	3.59	91	FSC1
250	160	9070T250D33	9070TF250D33	7.1	3.20	81	4.50	114	3.75	95	5.30	135	FSC2
300	200	9070T300D33	9070TF300D33	8.5	3.84	98	5.13	130	4.50	114	4.74	120	FSC2
350	250	9070T350D33	9070TF350D33	10.5	3.84	98	5.13	130	4.50	114	5.11	130	FSC2
500	300	9070T500D33	9070TF500D33	11.9	3.84	98	5.13	130	4.50	114	5.49	139	FSC2
750	500	9070T750D33	9070TF750D33	11.0	4.51	115	5.80	147	5.25	133	5.61	143	FSC2
1000	630	9070T1000D33	9070TF1000D33	20.6	4.51	115	5.80	147	5.25	133	6.30	160	FSC2
1500	1000	9070T1500D33	9070TF1500D33	34.0	6.17	157	7.46	190	7.06	179	5.92	150	FSC2
2000	1500	9070T2000D33	9070TF2000D33	47.0	6.17	157	7.46	190	7.06	179	7.17	182	FSC2
3000	2000	9070T3000D33	—	60.0	8.75	222	—	—	9.00	229	7.24	184	FSC2
5000	3000	9070T5000D33	—	89.0	8.75	222	—	—	9.00	229	9.15	232	FSC2

**Field Installed Fuse Blocks—Design for Line to Line Primary Voltages and Line to Neutral Secondary Voltages**

**Table 14.31: Accessories**

Catalog Number	Voltage Codes			Description	Order Qty
<b>Fuse Kit</b>					
—	D1, D2, D3, D4, D5, D13, D14, D15, D23, D31, D33, D37	D20, D32	D19, D50	—	—
9070FB3A	T25–T200	T25–T150	—	3-pole fuse block for primary and secondary fusing, accommodates 1-1/2 x 13/32" midjet fuse (2 rejection and 1 non-rejection)	1
9070FB3B	T250–T3000	T250–T2000	T25–T2000		1
9070FB2A	T25–T200	T25–T150	—	2-pole fuse block for primary fusing, accommodates 1-1/2 x 13/32" midjet fuse (2 rejection)	1
9070FB2B	T250–T3000	T250–T2000	T25–T2000		1
9070SF25A	T25–T200	T25–T150	—	Secondary fuse clips accommodates 1-1/4 x 1/4" fuse	10
9070SF25B	T250–T3000	T250–T2000	T25–T2000		10
9070SF41A	T25–T200	T25–T150	—	Secondary fuse clips accommodates 1-1/2 x 13/32" fuse	10
9070SF41B	T250–T3000	T250–T2000	T25–T2000		10
9070FB1A	T25–T200	T25–T150	—	Secondary fuse block accommodates 1-1/4 x 1/4" fuse	1
9070FB1B	T250–T3000	T250–T2000	T25–T2000		1
9070FP1	—	—	—	Fuse puller for TF and FB kits	10

[2] TF designed for line to line primary and line to neutral secondary. If secondary connected in series, fuse block should be disconnected.

Table 14.32: 208/230/460 Vac Primary, 115 Vac Secondary

VA		Type T	Type TF	Weight	Height				Width		Depth		Accessory Finger-safe Covers
UL/CSA/NOM	CE	Catalog No			Type T		Type TF		In	mm	In	mm	
					In	mm	In	mm					
50	50	9070T50D20	9070TF50D20	4.0	2.89	73	4.18	106	3.38	86	3.34	85	FSC1
75	75	9070T75D20	9070TF75D20	5.5	2.89	73	4.18	106	3.38	86	3.34	85	FSC1
100	100	9070T100D20	9070TF100D20	5.5	3.20	81	4.50	114	3.75	95	3.59	91	FSC1
150	150	9070T150D20	9070TF150D20	5.5	3.20	81	4.50	114	3.75	95	3.59	91	FSC1
200	200	9070T200D20	9070TF200D20	8.5	3.20	81	4.50	114	3.75	95	5.30	135	FSC2
250	160	9070T250D20	9070TF250D20	10.5	3.84	98	5.13	130	4.50	114	4.74	120	FSC2
300	200	9070T300D20	9070TF300D20	10.5	3.84	98	5.13	130	4.50	114	5.11	130	FSC2
350	250	9070T350D20	9070TF350D20	11.9	3.84	98	5.13	130	4.50	114	5.49	139	FSC2
500	300	9070T500D20	9070TF500D20	11.0	4.51	115	5.80	147	5.25	133	5.61	143	FSC2
750	500	9070T750D20	9070TF750D20	20.6	4.51	115	5.80	147	5.25	133	6.30	160	FSC2
1000	630	9070T1000D20	9070TF1000D20	34.0	6.17	157	7.46	190	7.06	179	5.92	150	FSC2
1500	1000	9070T1500D20	9070TF1500D20	47.0	6.17	157	7.46	190	7.06	179	7.17	182	FSC2
2000	1500	9070T2000D20	9070TF2000D20	60.0	8.75	222	—	—	9.00	229	7.24	184	FSC2
3000	2000	9070T3000D20	—	89.0	8.75	222	—	—	9.00	229	9.15	232	FSC2

Table 14.33: 240/480/600 V Primary, 120 V Secondary; 230/460/575 V Primary, 115 V Secondary; 220/440/550 V Primary to 110 V Secondary

VA		Type T	Type TF	Weight	Height				Width		Depth		Accessory Finger-safe Covers
UL/CSA/NOM	CE	Catalog No			Type T		Type TF		In	mm	In	mm	
					In	mm	In	mm					
50	50	9070T50D32	9070TF50D32	3.8	2.89	73	4.18	106	3.38	86	3.34	85	FSC1
75	75	9070T75D32	9070TF75D32	3.8	2.89	73	4.18	106	3.38	86	3.34	85	FSC1
100	100	9070T100D32	9070TF100D32	5.5	3.20	81	4.50	114	3.75	95	3.59	91	FSC1
150	150	9070T150D32	9070TF150D32	5.5	3.20	81	4.50	114	3.75	95	3.59	91	FSC1
200	200	9070T200D32	9070TF200D32	7.1	3.20	81	4.50	114	3.75	95	5.30	135	FSC2
250	160	9070T250D32	9070TF250D32	8.5	3.84	98	5.13	130	4.50	114	4.74	120	FSC2
300	200	9070T300D32	9070TF300D32	10.5	3.84	98	5.13	130	4.50	114	5.11	130	FSC2
350	250	9070T350D32	9070TF350D32	11.9	3.84	98	5.13	130	4.50	114	5.49	139	FSC2
500	300	9070T500D32	9070TF500D32	11.0	4.51	115	5.80	147	5.25	133	5.61	143	FSC2
750	500	9070T750D32	9070TF750D32	20.6	4.51	115	5.80	147	5.25	133	6.30	160	FSC2
1000	630	9070T1000D32	9070TF1000D32	34.0	6.17	157	7.46	190	7.06	179	5.92	150	FSC2
1500	1000	9070T1500D32	9070TF1500D32	47.0	6.17	157	7.46	190	7.06	179	7.17	182	FSC2
2000	1500	9070T2000D32	9070TF2000D32	60.0	8.75	222	—	—	9.00	229	7.24	184	FSC2
3000	2000	9070T3000D32	—	89.0	8.75	222	—	—	9.00	229	9.15	232	FSC2

Table 14.34: 240/416/480/600 Vac Primary, 99/120/130 Vac Secondary; 230/400/460/575 Vac Primary, 95/115/125 Vac Secondary; 220/380/440/550 Vac Primary, 90/110/120 Vac Secondary; 208/360/416/520 Vac Primary, 85/104/115 Vac Secondary

VA		Type T	Type TF	Weight	Height				Width		Depth		Accessory Finger-safe Covers
UL/CSA/NOM	CE	Catalog No			Type T		Type TF		In	mm	In	mm	
					In	mm	In	mm					
50	50	9070T50D50	9070TF50D50	4.0	2.89	73	4.19	106	3.38	86	4.43	113	FSC23
75	75	9070T75D50	9070TF75D50	7.2	3.20	81	4.50	114	3.75	95	4.70	119	FSC23
100	100	9070T100D50	9070TF100D50	7.1	3.20	81	4.50	114	3.75	95	4.70	119	FSC23
150	150	9070T150D50	9070TF150D50	8.5	3.84	98	5.14	131	4.50	114	4.74	120	FSC23
200	200	9070T200D50	9070TF200D50	10.5	3.84	98	5.14	131	4.50	114	5.11	130	FSC23
250	160	9070T250D50	9070TF250D50	10.5	3.84	98	5.14	131	4.50	114	5.11	130	FSC23
300	200	9070T300D50	9070TF300D50	11.9	3.84	98	5.14	131	4.50	114	5.49	139	FSC23
350	250	9070T350D50	9070TF350D50	11.0	4.51	115	5.81	148	5.25	133	5.61	143	FSC23
500	300	9070T500D50	9070TF500D50	11.0	4.51	115	5.81	148	5.25	133	5.61	143	FSC23
750	500	9070T750D50	9070TF750D50	20.6	4.51	115	5.81	148	5.25	133	6.3	160	FSC23
1000	630	9070T1000D50	9070TF1000D50	34.0	6.17	157	7.47	190	7.06	179	5.92	150	FSC23
1500	1000	9070T1500D50	9070TF1500D50	47.0	6.17	157	7.47	190	7.06	179	7.17	182	FSC23
2000	1500	9070T2000D50	9070TF2000D50	60.0	7.63	194	8.93	227	9.00	229	6.38	162	FSC23

Table 14.35: 240 x 480 Vac Primary, 120/24 Vac Secondary (24 Vac limited to 20% of nameplate VA)

VA		Type T	Type TF	Weight	Height				Width		Depth		Accessory Finger-safe Covers
UL/CSA/NOM	CE	Catalog No			Type T		Type TF		In	mm	In	mm	
					In	mm	In	mm					
50	50	9070T50D15	—	2.5	2.58	66	—	—	3.00	76	3.09	79	FSC1
75	75	9070T75D15	—	3.8	2.89	73	—	—	3.38	86	3.34	85	FSC1
100	100	9070T100D15	—	3.8	2.89	73	—	—	3.38	86	3.34	85	FSC1
150	150	9070T150D15	—	5.5	3.20	81	—	—	3.75	95	3.59	91	FSC1
200	200	9070T200D15	—	5.5	3.20	81	—	—	3.75	95	3.59	91	FSC1
250	160	9070T250D15	—	7.1	3.20	81	—	—	3.75	95	5.30	135	FSC2
300	200	9070T300D15	—	8.5	3.84	98	—	—	4.50	114	4.74	120	FSC2
350	250	9070T350D15	—	10.5	3.84	98	—	—	4.50	114	5.11	130	FSC2
500	300	9070T500D15	—	11.9	3.84	98	—	—	4.50	114	5.49	139	FSC2
750	500	9070T750D15	—	11.0	4.51	115	—	—	5.25	133	5.61	143	FSC2
1000	630	9070T1000D15	—	20.6	4.51	115	—	—	5.25	133	6.30	160	FSC2
1500	1000	9070T1500D15	—	34.0	6.17	157	—	—	7.06	179	5.92	150	FSC2
2000	1500	9070T2000D15	—	47.0	6.17	157	—	—	7.06	179	7.17	182	FSC2
3000	2000	9070T3000D15	—	60.0	8.75	222	—	—	9.00	229	7.24	184	FSC2
5000	3000	9070T5000D15	—	89.0	8.75	222	—	—	9.00	229	9.15	232	FSC2

Table 14.36: Accessories

Catalog Number	Voltage Codes			Description	Order Qty
—	D1, D2, D3, D4, D5, D13, D14, D15, D23, D31, D33, D37	D20, D32	D19, D50	—	—
9070FSC1	T25–T200	T25–T150	—	2 covers per kit	10
9070FSC2	T250–T5000	T250–T5000	—	2 covers per kit	10
9070FSC23	—	—	T25–T5000	2 covers per kit	10



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# Type T and Type TF

Class 9070 / Refer to Catalog 9070CT9901

Industrial Control

Table 14.37: 240 x 480 Vac Primary, 24 Vac Secondary

VA		Type T	Weight	Height		Width		Depth		Accessory Fingersafe Covers
UL/CSA/NOM	CE			Type T		In	mm	In	mm	
50	50	9070T50D2	2.5	2.58	66	3.00	76	3.09	79	FSC1
75	75	9070T75D2	3.8	2.89	73	3.38	86	3.34	85	FSC1
100	100	9070T100D2	3.8	2.89	73	3.38	86	3.34	85	FSC1
150	150	9070T150D2	5.5	3.20	81	3.75	95	3.59	91	FSC1
200	200	9070T200D2	5.5	3.20	81	3.75	95	3.59	91	FSC1
250	160	9070T250D2	7.1	3.20	81	3.75	95	5.30	135	FSC2
300	200	9070T300D2	8.5	3.84	98	4.50	114	4.74	120	FSC2
350	250	9070T350D2	10.5	3.84	98	4.50	114	5.11	130	FSC2
500	300	9070T500D2	11.9	3.84	98	4.50	114	5.49	139	FSC2
750	500	9070T750D2	11.0	4.51	115	5.25	133	5.61	143	FSC2
1000	630	9070T1000D2	20.6	4.51	115	5.25	133	6.30	160	FSC2

Table 14.38: 208 Vac Primary, 24 Vac Secondary

VA		Type T	Weight	Height		Width		Depth		Accessory Fingersafe Covers
UL/CSA/NOM	CE			Type T		In	mm	In	mm	
50	50	9070T50D14	2.5	2.58	66	3.00	76	3.09	79	FSC1
75	75	9070T75D14	3.8	2.89	73	3.38	86	3.34	85	FSC1
100	100	9070T100D14	3.8	2.89	73	3.38	86	3.34	85	FSC1
150	150	9070T150D14	5.5	3.20	81	3.75	95	3.59	91	FSC1
200	200	9070T200D14	5.5	3.20	81	3.75	95	3.59	91	FSC1
250	160	9070T250D14	7.1	3.20	81	3.75	95	5.30	135	FSC2
300	200	9070T300D14	8.5	3.84	98	4.50	114	4.74	120	FSC2
350	250	9070T350D14	10.5	3.84	98	4.50	114	5.11	130	FSC2
500	300	9070T500D14	11.9	3.84	98	4.50	114	5.49	139	FSC2
750	500	9070T750D14	11.0	4.51	115	5.25	133	5.61	143	FSC2
1000	630	9070T1000D14	20.6	4.51	115	5.25	133	6.30	160	FSC2

Table 14.39: 120 x 240 Vac Primary, 24 Vac Secondary

VA		Type T	Weight	Height		Width		Depth		Accessory Fingersafe Covers
UL/CSA/NOM	CE			Type T		In	mm	In	mm	
50	50	9070T50D23	2.5	2.58	66	3.00	76	3.09	79	FSC1
75	75	9070T75D23	3.8	2.89	73	3.38	86	3.34	85	FSC1
100	100	9070T100D23	3.8	2.89	73	3.38	86	3.34	85	FSC1
150	150	9070T150D23	5.5	3.20	81	3.75	95	3.59	91	FSC1
200	200	9070T200D23	5.5	3.20	81	3.75	95	3.59	91	FSC1
250	160	9070T250D23	7.1	3.20	81	3.75	95	5.30	135	FSC2
300	200	9070T300D23	8.5	3.84	98	4.50	114	4.74	120	FSC2
350	250	9070T350D23	10.5	3.84	98	4.50	114	5.11	130	FSC2
500	300	9070T500D23	11.9	3.84	98	4.50	114	5.49	139	FSC2
750	500	9070T750D23	11.0	4.51	115	5.25	133	5.61	143	FSC2
1000	630	9070T1000D23	20.6	4.51	115	5.25	133	6.30	160	FSC2

Table 14.40: 120 Vac Primary, 12/24 Vac Secondary

VA		Type T	Weight	Height		Width		Depth		Accessory Fingersafe Covers
UL/CSA/NOM	CE			Type T		In	mm	In	mm	
50	50	9070T50D13	2.5	2.58	66	3.00	76	3.09	79	FSC1
75	75	9070T75D13	3.8	2.89	73	3.38	86	3.34	85	FSC1
100	100	9070T100D13	3.8	2.89	73	3.38	86	3.34	85	FSC1
150	150	9070T150D13	5.5	3.20	81	3.75	95	3.59	91	FSC1
200	200	9070T200D13	5.5	3.20	81	3.75	95	3.59	91	FSC1
250	160	9070T250D13	7.1	3.20	81	3.75	95	5.30	135	FSC2
300	200	9070T300D13	8.5	3.84	98	4.50	114	4.74	120	FSC2
350	250	9070T350D13	10.5	3.84	98	4.50	114	5.11	130	FSC2
500	300	9070T500D13	11.9	3.84	98	4.50	114	5.49	139	FSC2
750	500	9070T750D13	11.0	4.51	115	5.25	133	5.61	143	FSC2
1000	630	9070T1000D13	20.6	4.51	115	5.25	133	6.30	160	FSC2

Table 14.41: 208/240/277/380/480 Vac Primary, 24 Vac Secondary

VA		Type T	Weight	Height		Width		Depth		Accessory Fingersafe Covers
UL/CSA/NOM	CE			Type T		In	mm	In	mm	
50	50	9070T50D19	4.0	2.89	106	3.38	86	3.34	85	FSC23
75	75	9070T75D19	5.5	2.89	106	3.38	86	3.34	85	FSC23
100	100	9070T100D19	5.5	3.20	114	3.75	95	3.59	91	FSC23
150	150	9070T150D19	5.5	3.20	114	3.75	95	3.59	91	FSC23
200	200	9070T200D19	8.5	3.20	114	3.75	95	5.30	135	FSC23
250	160	9070T250D19	10.5	3.84	130	4.50	114	4.74	120	FSC23
300	200	9070T300D19	10.5	3.84	130	4.50	114	5.11	130	FSC23
350	250	9070T350D19	11.9	3.84	130	4.50	114	5.49	139	FSC23
500	300	9070T500D19	11.0	4.51	147	5.25	133	5.61	143	FSC23
750	500	9070T750D19	20.6	4.51	147	5.25	133	6.30	160	FSC23
1000	630	9070T1000D19	34.0	6.17	190	7.06	179	5.92	150	FSC23