TA Series Open Core & Coil Industrial Control Transformers

Industrial control transformers are used to reduce supply voltages to 230 V or lower for the operation of electromagnetic devices such as contactors, solenoids, relays, and timers. They are especially designed to accommodate the momentary current inrush caused when electromagnetic components are energized . . . without sacrificing secondary voltage stability beyond practical limits.

Acme Industrial Control Transformers are dry-type, step-down transformers with the secondary control circuit isolated from the primary line circuit to assure maximum safety.

Voltage regulation of Acme Industrial Control Transformers exceeds standards recommended by the National Electrical Manufacturers Association. Secondary circuit voltage drop between no-load and momentary overload remains exceptionally low. This excellent secondary circuit voltage regulation assures reliable operation of electromagnetic components and may permit the use of a smaller and less expensive industrial control transformer.

FEATURES

- Constructed with high quality silicon steel lamination to minimize core losses and increase efficiency.
- Designs incorporate precision wound coils for improved regulation.
- Primary fuse blocks and secondary fuse kits available and easily adaptable.
- Series-parallel connecting links save wiring and labor costs.
- Sturdy phenolic terminal panel protects the coil from foreign objects and mechanical damage.
- Copper windings on all groups.
- 130°C Insulation class. 80°C temperature rise.
- Wire retention on both primary and secondary terminals.
- Mounting plate adapts to various mounting dimensions.
- Voltage regulation exceeds NEMA requirements.
- UL Listed, CSA Certified.
- Attractive finish, nameplate, and design features enhance the end product.

Primary Fuse Kit with Snap-on Secondary Fuse Block

Jumper Link Connections

Secondary Fuse Clips

Integrally Mounted Fuse Blocks

Acme Industrial Control Transformers Meet or Exceed UL, CSA, NEMA & ANSI

Acme Industrial Control Transformers 50 through 5000 VA are UL Listed, File E79947 and CSA certified, File 7357.

Laminations — High-permeability silicon steel continuously annealed to minimize core losses.

Magnet Wire — Copper magnet wire is coated with high temperature-resisting insulating film.

Coils — Precision wound by machine; total turns per coil automatically counted.

Mounting — Heavy steel mounting plates add strength to core construction and provide firm mounting, slotted to facilitate installation.

Terminal Boards — Sturdy phenolic terminal boards.

Sizing Primary Fuses:
Primary Amps < 2, fuse size is 300% of rated primary current.
Primary Amps 2< 9, fuse size is 167% of rated primary current.
Primary Amps ≥ 9, fuse size is 125% of rated primary current.

Sizing Secondary Fuses:
Secondary Amps < 9, fuse size is 167% of rated secondary current.
Secondary Amps ≥ 9, fuse size is 125% of rated secondary current.

TA Series Primary Fuse Kits

Type PL-112700 Through PL-112705: Using 2 Class CC Dual Element Fuses (not supplied)

- Meets NEC Article 450 and UL-508 requirements.
- For use with class "CC" fuses.
- Eliminates remote mounting of primary overcurrent protection.
- Covered by Acme Electric 10-year limited warranty.

Field installation is fast and easy. Simply loosen the mounting hardware (Fig. 1), slide the bracket over the transformer and re-tighten the mounting hardware. Make the proper connections with the factory furnished jumpers (Fig. 2) and your unit is ready for operation.

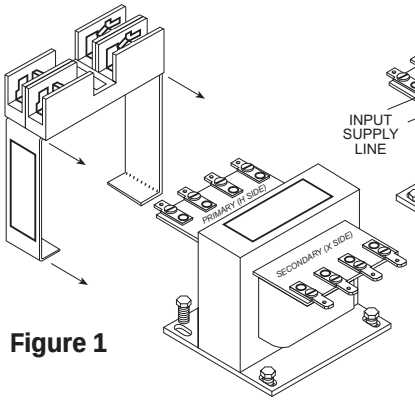


Figure 1

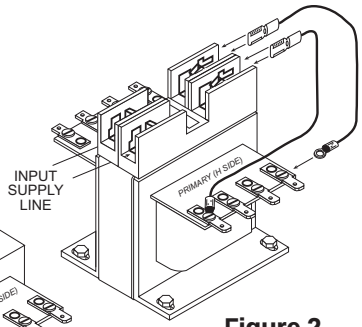
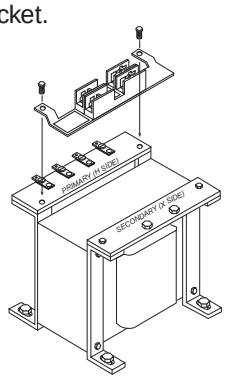


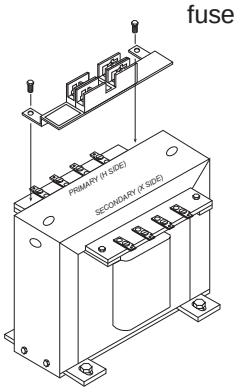
Figure 2

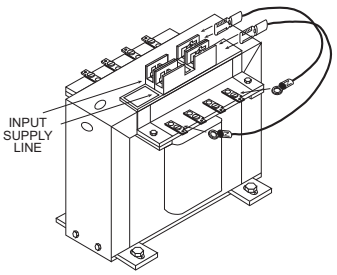
Instructions for TA Series Primary Fuse Kit

Type PL-112706 & PL-112707: Using 2 Class CC Dual Element Fuses (3000-5000 VA)

1. To mount the primary fuse kit bracket, remove the two 1/4" (.64 cm) sheet metal screws on the terminal panel on the primary (H side) of the transformer.
2. Place the slots in the fuse kit mounting bracket over the holes in the terminal and mounting bracket. To secure the fuse kit, reinsert the two 1/4" (.64 cm) sheet metal screws and tighten securely.
3. Tighten all mounting screws securely–this will secure the mounting bracket.
4. Attach the female quick connect of the jumpers supplied with the fuse kit to male quick connects on the right side of the fuse blocks – one jumper to each of the blocks.
5. Connect the ring terminal of the jumpers to the appropriate screw terminals of the transformers primary (H side). Refer to the transformer name plate for proper terminal connections.
6. Connect primary supply line leads to the screw terminals on the left side of the block – one line lead to each of the fuse blocks.







Primary Fuse Sizing Chart①

VA	120 V	208 V	230 V	240 V	277 V	380 V	416 V	440 V	460 V	480 V	550 V	600 V
50	1.2	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75	1.9	1.0	1.0	1.0	0.8	0.6	0.6	0.6	0.5	0.5	0.4	0.4
100	2.5	1.5	1.3	1.3	1.0	0.8	0.8	0.6	0.6	0.6	0.6	0.5
150	3.8	2.0	2.0	1.9	1.5	1.2	1.2	1.0	1.0	1.0	0.8	0.8
250	3.5	3.5	3.5	3.0	3.0	2.0	1.8	1.8	1.5	1.5	1.4	1.2
300	4.0	4.0	4.0	3.5	3.0	2.5	2.5	2.0	2.0	1.9	1.5	1.5
350	5.0	5.0	4.5	4.0	4.0	2.5	2.5	2.5	2.0	2.0	1.9	1.8
500	7.0	4.0	3.5	3.5	5.5	4.0	3.5	3.5	3.5	3.0	3.0	2.5
750	10.0	6.0	5.5	5.0	4.5	6.0	5.5	5.0	5.0	5.0	4.0	4.0
1000	15.0	8.0	7.0	7.0	6.0	4.5	4.0	3.5	3.5	3.5	5.5	5.0
1500	20.0	12.0	12.0	12.0	10.0	7.0	6.0	6.0	5.5	5.5	5.0	4.5
2000	25.0	12.0	15.0	15.0	12.0	9.0	8.0	8.0	7.5	7.0	6.0	6.0
3000	30.0	20.0	20.0	20.0	15.0	15.0	12.0	12.0	12.0	12.0	10.0	9.0
5000	—	30.0	30.0	30.0	25.0	20.0	15.0	15.0	15.0	15.0	12.0	15.0

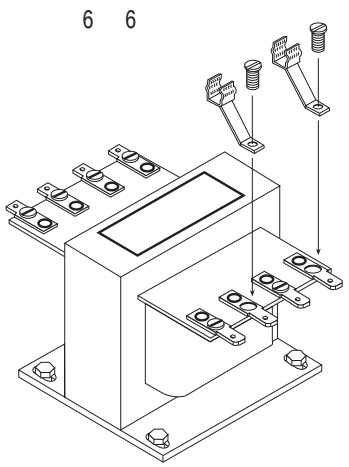
① Fuse size based on time delay class CC fuses.

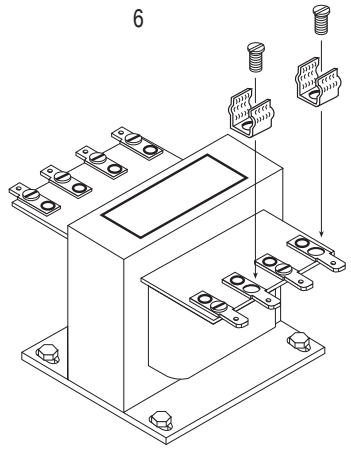
NOTE: Bold lines indicate changes in the percent of rated current used to calculate fuse sizes in accordance with article 450 of the NEC.

TA Series Secondary Fuse Kits

Type PL-112600, 601, 602: Use Dual Element Slow-Blow Fuse

- Mount secondary fuse clips on terminals X1 and F or F1 using the screws supplied with the transformer.
- Connect secondary load lines to terminals X2 and F or F2.
- Use dual-element slow-blowing fuses such as Bussmann MFG., Fusetron Type FNM, Littelfuse or Shawmut (not supplied with fuse kits).





TA Series Instructions for Secondary Fuse Kit

Type PL-112603: use dual element slow-blow fuse 13/32" x 1-1/2" (1.0 x 3.8 cm)

1. To attach secondary fuse kit PL-112603 to primary fuse kits PL-112700 thru PL-112707 snap the secondary single pole fuse block onto the unlabeled side of the primary double pole fuse block. (See Figure 1)
2. Install the fuse kits as instructed under the primary fuse kit instructions on page 75.
3. Select the appropriate pair of jumpers for making the connections between the secondary fuse block and the secondary (X-side) of the transformer.
4. Connect the female quick-connect of the jumpers supplied to one of the male quick-connects of the secondary fuse block - one jumper to each end of the fuse block. (See Figure 2)
5. Connect the ring terminal of the jumpers supplied to screw terminals X1 and F or F1 on the secondary (X-side) of the transformer.
6. Connect secondary load lines to terminals X2 and F or F2.

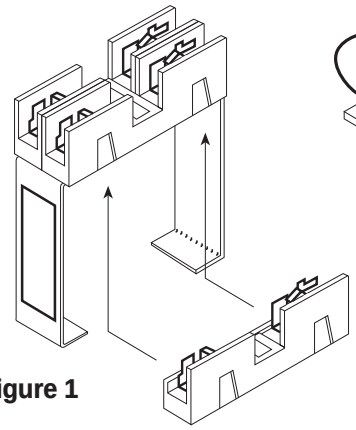


Figure 1

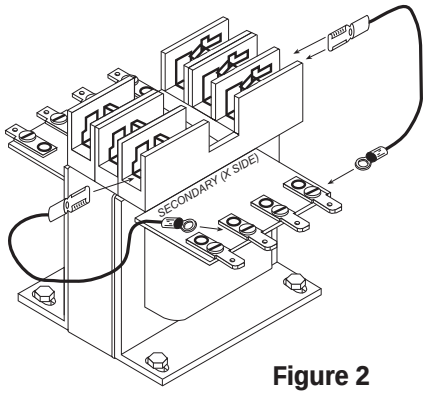


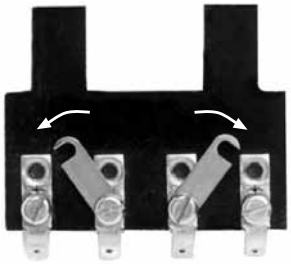
Figure 2

Jumper Link Connections

Group A Series: 240 V parallel: 120 V
Group B Series: 480 V parallel: 240 V
Group F series: 230 V parallel: 115 V
Group I Series: 24 V parallel: 12 V
Group J Series: 480 V & 240 V: 240 V & 120 V
Group K Series: 240 V: 120 V

E ception: 150 VA transformer TA-2-32404 does not have quick connect terminals.

Series Connection



Parallel Connection

NEW

TB Series Open Core & Coil Industrial Control Transformers

Acme s TB Series Industrial Control Transformers are especially designed to accommodate the momentary current inrush caused when electromagnetic components are energized. . . without sacrificing secondary voltage stability beyond practical limits.

Acme s TB Series transformers are dry-type, step-down transformers with the secondary control circuit isolated from the primary line circuit to assure maximum safety.

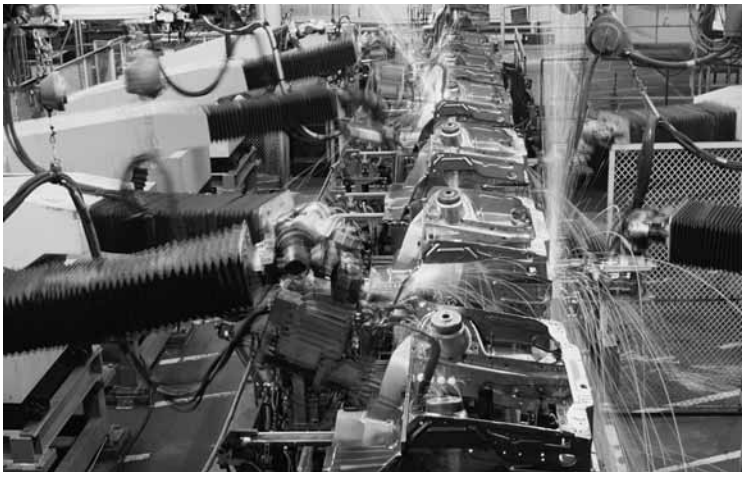
Voltage regulation of Acme s TB Series transformers exceeds standards recommended by the National Electrical Manufacturers Association. Secondary circuit voltage drop between no-load and momentary overload remains exceptionally low. This excellent secondary circuit voltage regulation assures reliable operation of electromagnetic components and may permit the use of a smaller and less expensive industrial control transformer.

FEATURES & BENEFITS

- 600 volt class and below.
- 50–1000 VA, 50/60 Hz.
- 80°C temperature rise, 130°C insulation class.
- Constructed with high quality silicon steel lamination to minimize core losses and increase efficiency.
- Designs incorporate precision split bobbin wound coils for improved regulation.
- Primary fuse blocks and secondary fuse kits available and easily adaptable.
- Series-parallel connecting links save wiring and labor costs.
- Terminal blocks allow full access for ring terminals for easy installation even with solid strand conductors.
- Integrally molded terminal blocks with isolation barriers to prevent arc over.
- Footprint matches TA Series for easy interchangeability.
- Copper windings on all groups.
- Heavy gauge steel mounting plate adapts to various mounting dimensions.
- Voltage regulation exceeds NEMA requirements.
- UL Listed and CSA Certified.
- Meets or exceeds UL, CSA, NEMA, ANSI and OSHA Standards.
- Ten-year limited warranty.

APPLICATIONS

- Motor Starters
- Contactors
- Solenoids
- Timer Circuits
- Relays
- Control Panels
- Robotics



NEW

TB Series Primary Fuse Kits

Type PL-112700 Through PL-112705: Using 2 Class CC Dual Element Fuses (not supplied)

- Meets NEC Article 450 and UL-508 requirements.
- For use with class "CC" fuses.
- Eliminates remote mounting of primary overcurrent protection.
- Covered by Acme Electric 10-year limited warranty.

Field installation is fast and easy. Simply loosen the mounting hardware (Fig. 1), slide the bracket over the transformer and re-tighten the mounting hardware. Make the proper connections with the factory furnished jumpers (Fig. 2) and your unit is ready for operation.

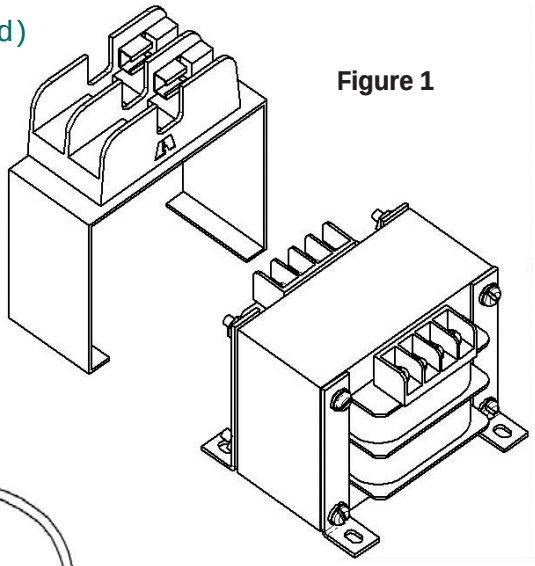


Figure 1

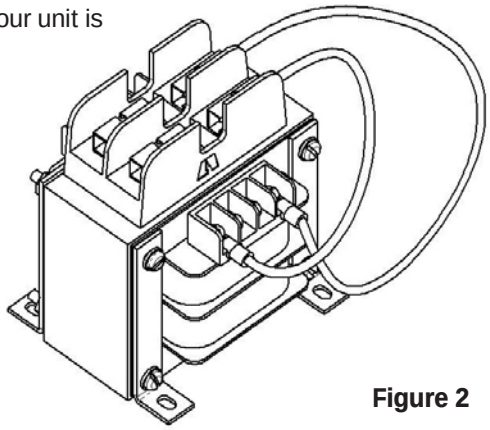


Figure 2

Primary Fuse Sizing Chart①

VA	120 V	208 V	230 V	240 V	277 V	380 V	416 V	440 V	460 V	480 V	550 V	600 V
50	1.2	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75	1.9	1.0	1.0	1.0	0.8	0.6	0.6	0.6	0.5	0.5	0.4	0.4
100	2.5	1.5	1.3	1.3	1.0	0.8	0.8	0.6	0.6	0.6	0.6	0.5
150	3.8	2.0	2.0	1.9	1.5	1.2	1.2	1.0	1.0	1.0	0.8	0.8
250	3.5	3.5	3.5	3.0	3.0	2.0	1.8	1.8	1.5	1.5	1.4	1.2
300	4.0	4.0	4.0	3.5	3.0	2.5	2.5	2.0	2.0	1.9	1.5	1.5
350	5.0	5.0	4.5	4.0	4.0	2.5	2.5	2.5	2.0	2.0	1.9	1.8
500	7.0	4.0	3.5	3.5	5.5	4.0	3.5	3.5	3.5	3.0	3.0	2.5
750	10.0	6.0	5.5	5.0	4.5	6.0	5.5	5.0	5.0	5.0	4.0	4.0
1000	15.0	8.0	7.0	7.0	6.0	4.5	4.0	3.5	3.5	3.5	5.5	5.0
1500	20.0	12.0	12.0	12.0	10.0	7.0	6.0	6.0	5.5	5.5	5.0	4.5
2000	25.0	12.0	15.0	15.0	12.0	9.0	8.0	8.0	7.5	7.0	6.0	6.0
3000	30.0	20.0	20.0	20.0	15.0	15.0	12.0	12.0	12.0	12.0	10.0	9.0
5000	—	30.0	30.0	30.0	25.0	20.0	15.0	15.0	15.0	15.0	12.0	15.0

① Fuse size based on time delay class CC fuses.

NOTE: Bold lines indicate changes in the percent of rated current used to calculate fuse sizes in accordance with article 450 of the NEC.

NEW

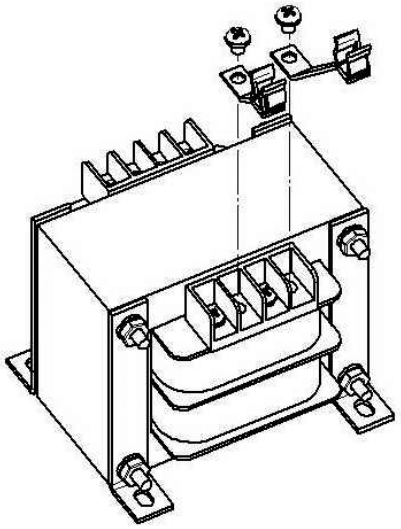
TB Series Secondary Fuse Kits

Type PL-79924, PL-79930, & PL-79931: Use Dual Element Slow-Blow Fuse

PL-79924*	50-1000	1/4" x 1-1/4"
PL-79930	50-350	13/32" x 1-1/2"
PL-79931	500-1000	13/32" x 1-1/2"

- Mount secondary fuse clips on terminals X1 and F or F1 using the screws supplied with the transformer.
- Connect secondary load lines to terminals X2 and F or F2. Use Jumper Link to connect F1 and F2.
- Use dual-element slow-blowing fuses such as Bussmann MFG., Fusetron Type FNM, Littelfuse or Ferraz Shawmut (not supplied with fuse kits).

* PL-79924: Use fuse kit on all transformers except 750 & 1000 VA with 24 volt secondary.



NEW

Instructions for TB Series Secondary Fuse Kit

Type PL-112603: use dual element slow-blow fuse 13/32" x 1-1/2" (1.0 x 3.8 cm)

1. To attach secondary fuse kit PL-112603 to primary fuse kits PL-112700 thru PL-112705 snap the secondary single pole fuse block onto the unlabeled side of the primary double pole fuse block. (See Figure 1)
2. Install the fuse kits as instructed under the primary fuse kit instructions on page 70.
3. Select the appropriate pair of jumpers for making the connections between the secondary fuse block and the secondary (X-side) of the transformer.
4. Connect the female quick-connect of the jumpers supplied to one of the male quick-connects of the secondary fuse block - one jumper to each end of the fuse block. (See Figure 2)
5. Connect the ring terminal of the jumpers supplied to screw terminals X1 and F or F1 on the secondary (X-side) of the transformer.
6. Connect secondary load lines to terminals X2 and F or F2.

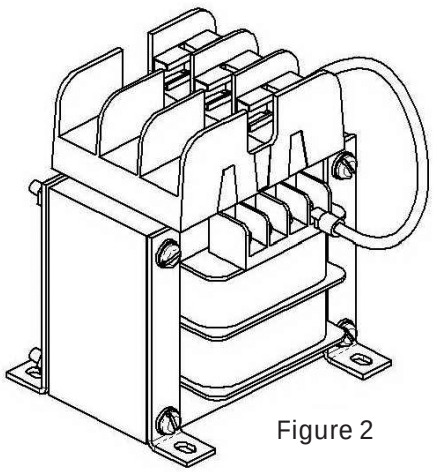


Figure 2

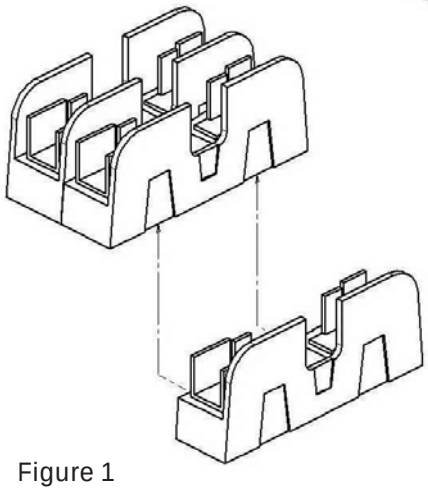


Figure 1

SELECTION CH RTS

NEW

GROUP A

120 X 240 PRIMARY VOLTS — 24 SECONDARY VOLTS — 1Ø, 50/60 Hz

CATALOG NO. ②	VA RATING	OUTPUT AMPS	APPRO. DIMENSIONS I (C.)						APPRO. SHIP EIGHT L. (K.)	PRIMAR FUSE BLOCK PART NO.	SECONDAR FUSE KIT ① PART NO.	SECONDAR FUSE SI E 24 VOLTS
			A	B	C	D	E	F				
TB-81141 ②	50	2.08	4.23 (10.7)	3.00 (7.6)	2.70 (6.8)	2.50 (6.4)	2.13 (5.4)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	*	3 2/10 amps
TB-81142 ②	75	3.13	4.74 (12.0)	3.00 (7.6)	2.70 (6.8)	2.50 (6.4)	2.61 (6.6)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	*	5 amps
TB-81143 ②	100	4.17	4.90 (12.4)	3.00 (7.6)	2.70 (6.8)	2.50 (6.4)	2.81 (7.1)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	*	6 1/4 amps
TB-81144 ②	150	6.25	4.78 (12.1)	3.75 (9.5)	3.40 (8.6)	3.13 (8.0)	2.63 (6.7)	.22 x .50 (0.6 x 1.3)	6 (2.7)	PL-112701	*	10 amps
TB-81146 ②	250	10.42	5.08 (12.9)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	3.05 (7.7)	.22 x .50 (0.6 x 1.3)	9 (4.1)	PL-112702	*	15 amps
TB-81148 ②	350	14.58	6.12 (15.5)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	4.06 (10.3)	.22 x .50 (0.6 x 1.3)	13 (5.9)	PL-112702	*	20 amps
TB-81149 ②	500	20.83	5.90 (15.0)	5.25 (13.3)	4.47 (11.4)	4.38 (11.1)	4.19 (10.6)	.31 x .50 (0.8 x 1.3)	16 (7.3)	PL-112704	*	30 amps
TB-81150	750	31.25	7.53 (19.1)	5.25 (13.3)	4.47 (11.4)	4.38 (11.1)	5.25 (13.3)	.31 x .50 (0.8 x 1.3)	24 (10.9)	PL-112704	*	
TB-81151	1000	41.67	7.43 (18.9)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	3.81 (9.7)	.31 x .50 (0.8 x 1.3)	26 (11.8)	PL-112705	*	

* See fusing chart for secondary fuse kits.

NEW

GROUP B

240 X 480, 230 X 460, 220 X 440 PRIMARY VOLTS — 120/115/110 SECONDARY VOLTS — 1Ø, 50/60 Hz

CATALOG NO. ②	VA RATING	OUTPUT AMPS @ 120V	APPRO. DIMENSIONS INCHES (CM.)						APPRO. SHIP EIGHT LBS. (KG.)	PRIMAR FUSE BLOCK PART NO.	SECONDAR FUSE KIT ① PART NO.	SECONDAR FUSE SI E 120 VOLTS
			A	B	C	D	E	F				
TB-81210 ②	50	0.42	4.23 (10.7)	3.00 (7.6)	2.70 (6.8)	2.50 (6.4)	2.13 (5.4)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	*	6/10 amp
TB-81201 ②	75	0.63	4.74 (12.0)	3.00 (7.6)	2.70 (6.8)	2.50 (6.4)	2.61 (6.6)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	*	1 amp
TB-81211 ②	100	0.83	4.90 (12.4)	3.00 (7.6)	2.70 (6.8)	2.50 (6.4)	2.81 (7.1)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	*	1 1/4 amps
TB-81212 ②	150	1.25	5.00 (12.7)	3.75 (9.5)	3.40 (8.6)	3.13 (8.0)	2.81 (7.1)	.22 x .50 (0.6 x 1.3)	6 (2.7)	PL-112701	*	2 amps
TB-81213 ②	250	2.08	5.57 (14.1)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	3.13 (8.0)	.22 x .50 (0.6 x 1.3)	9 (4.1)	PL-112702	*	3 2/10 amps
TB-81200 ②	300	2.50	5.57 (14.1)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	3.13 (8.0)	.22 x .50 (0.6 x 1.3)	10 (4.5)	PL-112702	*	4 amps
TB-81214 ②	350	2.92	6.32 (16.1)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	3.83 (9.7)	.22 x .50 (0.6 x 1.3)	12 (5.4)	PL-112702	*	4 1/2 amps
TB-81215 ②	500	4.17	6.30 (16.0)	5.25 (13.3)	4.47 (11.4)	4.06 (10.3)	3.81 (9.7)	.22 x .50 (0.6 x 1.3)	15 (6.8)	PL-112704	*	6 1/4 amps
TB-81216 ②	750	6.25	6.65 (16.9)	5.25 (13.3)	4.47 (11.4)	4.38 (11.1)	5.13 (13.0)	.31 x .50 (0.8 x 1.3)	23 (10.4)	PL-112704	*	10 amps
TB-81217 ②	1000	8.33	7.58 (19.3)	6.75 (17.1)	5.78 (14.7)	5.75 (14.6)	3.69 (9.4)	.31 x .50 (0.8 x 1.3)	25 (11.3)	PL-112705	PL-112601	12 amps

① Secondary Fuse Kit PL-112603 may be substituted for PL-112600 thru PL-112602 when Primary Fuse Kit is used. See page 71.
② See chart for integrally mounted fuse block catalog number suffix.

GROUP B (CONTINUED)

240 X 480, 230 X 460, 220 X 440 PRIMARY VOLTS — 120/115/110 SECONDARY VOLTS — 1Ø, 50/60 Hz

CATALOG NO. ②	VA RATING	OUTPUT AMPS @ 120V	APPRO. DIMENSIONS INCHES (CM.) A	B	C	D	E	F	APPRO. SHIP EIGHT LBS. (KG.)	PRIMAR FUSE BLOCK PART NO.	SECONDAR FUSE KIT ① PART NO.	SECONDAR FUSE SI E 120 VOLTS
TA-2-81218	1500	12.50	8.80 (22.4)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	5.75 (14.6)	.31 x .50 (0.8 x 1.3)	43 (19.5)	PL-112705	PL-112601	15 amps
TA-2-81219	2000	16.67	9.25 (23.5)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	6.38 (16.2)	.31 x .50 (0.8 x 1.3)	49 (22.2)	PL-112705	PL-112601	20 amps
TA-2-81220	3000	25.00	8.81 (22.4)	7.50 (19.1)	8.34 (21.2)	6.50 (16.5)	7.52 (19.1)	.41 x .81 (1.0 x 2.1)	70 (31.8)	PL-112706		
TA-2-81221	5000	41.67	7.52 (19.1)	11.92 (30.3)	9.49 (24.1)	6.75 (17.1)	6.25 (15.9)	.41 x .81 (1.0 x 2.1)	125 (56.7)	PL-112707		

⁎ See fusing chart for secondary fuse kits.

Integrally Mounted Fuse Blocks Available:

ADD SUFFI TO CATALOG NO.	CONFIGURATION
– F2	Factory installed integrally mounted 2-pole primary block
– F3	Factory installed integrally mounted 3-pole primary and secondary block (100 VA & larger)
– F4	Factory installed 2-pole primary block and secondary fuse clips (50 & 75 VA)

Consult factory for other sizes available.

GROUP C

240/480/600, 230/460/575, 220/440/550 PRIMARY VOLTS — 120/100, 115/95, 110/90 SECONDARY VOLTS — 1Ø, 50/60 Hz

CATALOG NO.	VA RATING	OUTPUT AMPS @ 120V	APPRO. DIMENSIONS INCHES (CM.) A	B	C	D	E	F	APPRO. SHIP EIGHT LBS. (KG.)	PRIMAR FUSE BLOCK PART NO.	SECONDAR FUSE KIT ① PART NO.	SECONDAR FUSE SI E 120 VOLTS
NEW TB-81000	50	0.42	4.56 (11.6)	3.00 (7.6)	2.70 (6.8)	2.50 (6.4)	2.61 (6.6)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	*	6/10 amp
NEW TB-81009	75	0.63	4.90 (12.4)	3.00 (7.6)	2.70 (6.8)	2.50 (6.4)	2.81 (7.1)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	*	1 amp
NEW TB-81001	100	0.83	5.36 (13.6)	3.00 (7.6)	2.70 (6.8)	2.50 (6.4)	3.26 (8.3)	.22 x .50 (0.6 x 1.3)	5 (2.3)	PL-112700	*	1 1/4 amps
NEW TB-81002	150	1.25	5.00 (12.7)	3.75 (9.5)	3.40 (8.6)	3.13 (8.0)	3.06 (7.8)	.22 x .50 (0.6 x 1.3)	7 (3.2)	PL-112701	*	2 amps
NEW TB-81003	250	2.08	5.57 (14.1)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	3.50 (8.9)	.22 x .50 (0.6 x 1.3)	11 (5.0)	PL-112702	*	3 2/10 amps
NEW TB-81020	300	2.50	6.48 (16.5)	4.65 (11.8)	4.15 (10.5)	4.06 (10.3)	4.06 (10.3)	.22 x .50 (0.6 x 1.3)	15 (6.8)	PL-112702	*	4 amps
NEW TB-81004	350	2.92	6.48 (16.5)	4.65 (11.8)	4.15 (10.5)	4.06 (10.3)	4.06 (10.3)	.22 x .50 (0.6 x 1.3)	15 (6.8)	PL-112702	*	4 1/2 amps
NEW TB-81005	500	4.17	6.43 (16.3)	5.25 (13.3)	4.47 (11.4)	4.38 (11.1)	4.56 (11.6)	.31 x .50 (0.8 x 1.3)	21 (9.5)	PL-112704	*	6 1/4 amps
NEW TB-81006	750	6.25	7.19 (18.3)	6.75 (17.1)	5.78 (14.7)	5.75 (14.6)	3.81 (9.7)	.31 x .50 (0.8 x 1.3)	25 (11.3)	PL-112705	*	10 amps
NEW TB-81007	1000	8.33	7.96 (20.2)	6.75 (17.1)	5.78 (14.7)	5.75 (14.6)	4.63 (11.8)	.31 x .50 (0.8 x 1.3)	32 (14.5)	PL-112705	*	12 amps
TA-2-81008	1500	12.50	9.46 (24.0)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	6.38 (16.2)	.31 x .50 (0.8 x 1.3)	47 (21.3)	PL-112705	PL-112601	15 amps
TA-2-53929	2000	16.67	7.90 (20.1)	7.50 (19.1)	7.66 (19.5)	6.50 (16.5)	6.57 (16.7)	.41 x .81 (1.0 x 2.1)	55 (24.9)	PL-112706	PL-112601	20 amps
TA-2-53930	3000	25.00	7.02 (17.8)	11.92 (30.3)	8.83 (22.4)	6.75 (17.1)	5.75 (14.6)	.41 x .81 (1.0 x 2.1)	75 (34.0)	PL-112707		
TA-2-53931	5000	41.67	7.52 (19.1)	11.92 (30.3)	9.49 (24.1)	6.75 (17.1)	6.25 (15.9)	.41 x .81 (1.0 x 2.1)	110 (49.9)	PL-112707		

⁎ See fusing chart for secondary fuse kits.

① Secondary Fuse Kit PL-112603 may be substituted for PL-112600 thru PL-112602 when Primary Fuse Kit is used. See page 71.
② See chart for integrally mounted fuse block catalog number suffix.

NEW

GROUP D

208/240/277/380/480 PRIMARY VOLTS — 24 SECONDARY VOLTS — 1Ø, 50/60 Hz

CATALOG NO.	VA RATING	OUTPUT AMPS	APPRO. DIMENSIONS INCHES (CM.) A	B	C	D	E	F	APPRO. SHIP WEIGHT LBS. (KG.)	PRIMARY FUSE BLOCK PART NO.	SECONDARY FUSE KIT ① PART NO.	SECONDARY FUSE SIZE 24 VOLTS
TB-81321	50	2.08	4.08 (10.4)	3.75 (9.5)	3.40 (8.6)	3.13 (8.0)	2.19 (5.6)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112701	*	3 2/10 amp
TB-81322	75	3.13	4.31 (10.9)	3.75 (9.5)	3.40 (8.6)	3.13 (8.0)	2.31 (5.9)	.22 x .50 (0.6 x 1.3)	5 (2.3)	PL-112701	*	5 amps
TB-81323	100	4.17	4.52 (11.5)	3.75 (9.5)	3.40 (8.6)	3.13 (8.0)	2.63 (6.7)	.22 x .50 (0.6 x 1.3)	5 (2.3)	PL-112701	*	6 1/4 amps
TB-81324	150	6.25	4.75 (12.1)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	3.05 (7.7)	.22 x .50 (0.6 x 1.3)	9 (4.1)	PL-112702	*	10 amps
TB-81325	250	10.42	5.24 (13.3)	4.65 (11.8)	4.15 (10.5)	4.06 (10.3)	3.25 (8.3)	.22 x .50 (0.6 x 1.3)	11 (5.0)	PL-112702	*	15 amps
TB-81326	350	14.58	6.02 (15.3)	5.25 (13.3)	4.47 (11.4)	4.38 (11.1)	4.00 (10.2)	.31 x .50 (0.8 x 1.3)	18 (8.2)	PL-112704	*	20 amps
TB-81327	500	20.83	6.51 (16.5)	5.25 (13.3)	4.47 (11.4)	4.38 (11.1)	4.19 (10.6)	.31 x .50 (0.8 x 1.3)	19 (8.6)	PL-112704	*	30 amps
TB-81328	750	31.25	7.08 (18.0)	6.75 (17.1)	5.78 (14.7)	5.75 (14.6)	3.81 (9.7)	.31 x .50 (0.8 x 1.3)	26 (11.8)	PL-112705	*	33 amps
TB-81329	1000	41.67	8.10 (20.6)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	4.63 (11.8)	.31 x .50 (0.8 x 1.3)	33 (15.0)	PL-112705	*	

* See fusing chart for secondary fuse kits.

NEW

GROUP E

208/277/380 PRIMARY VOLTS — 115/95 SECONDARY VOLTS — 1Ø, 50/60 Hz

CATALOG NO.	VA RATING	OUTPUT AMPS @ 115V	APPRO. DIMENSIONS INCHES (CM.) A	B	C	D	E	F	APPRO. SHIP WEIGHT LBS. (KG.)	PRIMARY FUSE BLOCK PART NO.	SECONDARY FUSE KIT ① PART NO.	SECONDARY FUSE SIZE 115 VOLTS
TB-81301	50	0.43	4.35 (11.0)	3.00 (7.6)	2.70 (6.8)	2.50 (6.4)	2.61 (6.6)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	*	6/10 amp
TB-81302	75	0.65	4.74 (12.0)	3.00 (7.6)	2.70 (6.8)	2.50 (6.4)	2.81 (7.1)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	*	1 amp
TB-81303	100	0.87	4.45 (11.3)	3.75 (9.5)	3.40 (8.6)	3.13 (8.0)	2.44 (6.2)	.22 x .50 (0.6 x 1.3)	5 (2.3)	PL-112701	*	1 1/4 amps
TB-81304	150	1.30	5.00 (12.7)	3.75 (9.5)	3.84 (9.8)	3.13 (8.0)	3.06 (7.8)	.22 x .50 (0.6 x 1.3)	5 (2.3)	PL-112701	*	2 amps
TB-81305	250	2.17	5.68 (14.4)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	4.06 (10.3)	.22 x .50 (0.6 x 1.3)	13 (5.9)	PL-112702	*	3 1/2 amps
TB-81306	350	3.04	6.30 (16.0)	4.65 (11.8)	4.15 (10.5)	4.06 (10.3)	4.75 (12.1)	.22 x .50 (0.6 x 1.3)	18 (8.2)	PL-112702	*	5 amps
TB-81307	500	4.35	6.22 (15.8)	5.25 (13.3)	4.47 (11.4)	4.38 (11.1)	4.56 (11.6)	.22 x .50 (0.6 x 1.3)	20 (9.1)	PL-112704	*	7 amps
TB-81308	750	6.52	6.82 (17.3)	6.75 (17.1)	5.78 (14.7)	5.75 (14.6)	3.69 (9.4)	.31 x .50 (0.8 x 1.3)	24 (10.9)	PL-112705	*	10 amps
TB-81309	1000	8.70	7.96 (20.2)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	4.44 (11.3)	.31 x .50 (0.8 x 1.3)	31 (14.1)	PL-112705	*	12 amps

* See fusing chart for secondary fuse kits.

① Secondary Fuse Kit PL-112603 may be substituted for PL-112600 thru PL-112602 when Primary Fuse Kit is used. See page 71.
② See chart for integrally mounted fuse block catalog number suffix.

GROUP F

380/440/550/600 PRIMARY VOLTS — 115/230 SECONDARY VOLTS — 1Ø, 50/60 Hz

CATALOG NO.	VA RATING	OUTPUT AMPS @ 115V	APPRO. DIMENSIONS INCHES (CM.) A	B	C	D	E	F	APPRO. SHIPPING WEIGHT LBS. (KG.)	PRIMARY FUSE BLOCK PART NO.	SECONDARY FUSE SIZE ② 115 VOLTS
TA-2-54535	50	0.43	4.12 (10.5)	3.75 (9.5)	3.21 (8.2)	3.13 (8.0)	2.19 (5.6)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112701	6/10 amp
TA-2-54536	100	0.87	4.56 (11.6)	3.75 (9.5)	3.21 (8.2)	3.13 (8.0)	2.31 (5.9)	.22 x .50 (0.6 x 1.3)	5 (2.3)	PL-112701	1 1/4 amps
TA-2-54537	150	1.30	5.00 (12.7)	3.75 (9.5)	3.21 (8.2)	3.13 (8.0)	3.06 (7.8)	.22 x .50 (0.6 x 1.3)	10 (4.5)	PL-112701	2 amps
TA-2-54538	250	2.17	5.49 (13.9)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	3.50 (8.9)	.22 x .50 (0.6 x 1.3)	11 (5.0)	PL-112702	3 1/2 amps
TA-2-81197	350	3.04	6.03 (15.3)	4.88 (12.4)	4.15 (10.5)	4.06 (10.3)	4.38 (11.1)	.22 x .50 (0.6 x 1.3)	17 (7.7)	PL-112703	5 amps
TA-2-54539	500	4.35	6.76 (17.1)	4.88 (12.4)	4.15 (10.5)	4.06 (10.3)	5.75 (14.6)	.22 x .50 (0.6 x 1.3)	23 (10.4)	PL-112703	7 amps
TA-2-81240	750	6.52	7.19 (18.3)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	3.69 (9.4)	.31 x .50 (0.8 x 1.3)	25 (11.3)	PL-112705	10 amps
TA-2-81241	1000	8.70	7.77 (19.7)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	4.44 (11.3)	.31 x .50 (0.8 x 1.3)	30 (13.6)	PL-112705	12 amps

GROUP G

240/416/480/600; 230/400/460/575; 220/380/440/550; 208/500 PRIMARY VOLTS
99/120/130; 95/115/125; 91/110/120; 85/100/110 SECONDARY VOLTS —1Ø, 50/60 Hz

CATALOG NO.	VA RATING @ 130V	OUTPUT AMPS	APPRO. DIMENSIONS INCHES (CM.) A	B	C	D	E	F	APPRO. SHIPPING WEIGHT LBS. (KG.)	PRIMARY FUSE BLOCK PART NO.	SECONDARY FUSE KIT PART NO.	SECONDARY FUSE SIZE 130 VOLTS
NEW TB-32403	50	0.38	4.08 (10.4)	3.75 (9.5)	3.40 (8.6)	3.13 (8.0)	2.31 (5.9)	.22 x .50 (0.6 x 1.3)	5 (2.3)	PL-112701	NA	6/10 amp
NEW TB-32404	150	1.15	4.75 (12.1)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	3.05 (7.7)	.22 x .50 (0.6 x 1.3)	10 (4.5)	PL-112702	NA	1 6/10 amps
NEW TB-32405	250	1.92	5.58 (14.2)	4.65 (11.8)	4.15 (10.5)	4.06 (10.3)	4.06 (10.3)	.22 x .50 (0.6 x 1.3)	16 (7.3)	PL-112702	NA	3 2/10 amps
NEW TB-32669	350	2.69	6.23 (15.8)	4.65 (11.8)	4.15 (10.5)	4.06 (10.3)	5.50 (14.0)	.22 x .50 (0.6 x 1.3)	22 (10.0)	PL-112702	NA	4 amps
NEW TB-32406	500	3.85	6.40 (16.3)	6.75 (17.1)	5.78 (14.7)	5.75 (14.6)	3.69 (9.4)	.22 x .50 (0.6 x 1.3)	23 (10.4)	PL-112705	NA	6 1/4 amps
NEW TB-54523	750	5.77	7.08 (18.0)	6.75 (17.1)	5.78 (14.7)	5.75 (14.6)	4.13 (10.5)	.31 x .50 (0.8 x 1.3)	29 (13.2)	PL-112705	NA	9 amps
NEW TB-54524	1000	7.69	8.56 (21.7)	6.75 (17.1)	5.78 (14.7)	5.75 (14.6)	4.88 (12.4)	.31 x .50 (0.8 x 1.3)	35 (15.9)	PL-112705	NA	12 amps
TA-2-54525	1500	11.54	6.75 (17.1)	7.50 (19.1)	7.66 (19.5)	6.50 (16.5)	5.42 (13.8)	.41 x .81 (1.0 x 2.1)	55 (24.9)	PL-112706	PL-112601	20 amps
TA-2-81202	2000	15.39	7.45 (18.9)	7.50 (19.1)	7.66 (19.5)	6.50 (16.5)	6.12 (15.5)	.41 x .81 (1.0 x 2.1)	55 (24.9)	PL-112706	PL-112601	25 amps
TA-2-81203	3000	23.08	7.02 (17.8)	11.92 (30.3)	8.83 (22.4)	6.75 (17.1)	5.75 (14.6)	.41 x .81 (1.0 x 2.1)	70 (31.8)	PL-112707		
TA-2-81205	5000	38.46	7.52 (19.1)	11.92 (30.3)	9.49 (24.1)	6.75 (17.1)	6.25 (15.9)	.41 x .81 (1.0 x 2.1)	110 (49.9)	PL-112707		

① Secondary Fuse Kit PL-112603 may be substituted for PL-112600 thru PL-112602 when Primary Fuse Kit is used. See page 71.
② Secondary fuse kit application for 115V only.

CONNECTION DETAILS FOR GROUP G

CONNECT TO LINE FOR RESPECTIVE VOLTAGE				OUTPUT VOLTS		
H1-H2	H1-H3	H1-H4	H1-H5	1- 2	1- 3	1- 4
208	—	—	500	85	100	110
220	380	440	550	91	110	120
230	400	460	575	95	115	125
240	416	480	600	99	120	130

NEW

GROUP H

208/230/460 PRIMARY VOLTS — 115 SECONDARY VOLTS — 1Ø, 50/60 Hz

CATALOG NO.	VA RATING	OUTPUT AMPS	APPRO. DIMENSIONS INCHES (CM.) A	B	C	D	E	F	APPRO. SHIP EIGHT LBS. (KG.)	PRIMAR FUSE BLOCK PART NO.	SECONDAR FUSE KIT ① PART NO.	SECONDAR FUSE SI E 115 VOLTS
TB-69300	50	0.43	4.44 (11.3)	3.00 (7.6)	2.70 (6.8)	2.50 (6.4)	2.61 (6.6)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	*	6/10 amp
TB-69301	100	0.87	5.21 (13.2)	3.00 (7.6)	2.70 (6.8)	2.50 (6.4)	3.26 (8.3)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700	*	1 4/10 amps
TB-69302	150	1.30	5.10 (13.0)	3.75 (9.5)	3.40 (8.6)	3.13 (8.0)	3.06 (7.8)	.22 x .50 (0.6 x 1.3)	7 (3.2)	PL-112701	*	2 amps
TB-69303	250	2.17	5.38 (13.7)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	3.50 (8.9)	.22 x .50 (0.6 x 1.3)	11 (5.0)	PL-112702	*	3 1/2 amps
TB-69304	350	3.04	5.90 (15.0)	4.65 (11.8)	4.15 (10.5)	4.06 (10.3)	3.81 (9.7)	.22 x .50 (0.6 x 1.3)	15 (6.8)	PL-112702	*	5 amps
TB-69305	500	4.35	6.22 (15.8)	5.25 (13.3)	4.47 (11.4)	4.38 (11.1)	4.56 (11.6)	.31 x .50 (0.8 x 1.3)	20 (9.1)	PL-112704	*	7 amps
TB-69306	750	6.52	6.82 (17.3)	6.75 (17.1)	5.78 (14.7)	5.75 (14.6)	3.81 (9.7)	.31 x .50 (0.8 x 1.3)	26 (11.8)	PL-112705	*	10 amps
TB-69307	1000	8.70	7.96 (20.2)	6.75 (17.1)	5.78 (14.7)	5.75 (14.6)	4.63 (11.8)	.31 x .50 (0.8 x 1.3)	33 (15.0)	PL-112705	*	12 amps

* See fusing chart for secondary fuse kits.

GROUP I

600 PRIMARY VOLTS — 12/24 SECONDARY VOLTS — 1Ø, 60 Hz

CATALOG NO.	VA RATING	OUTPUT AMPS @ 12V	APPRO. DIMENSIONS INCHES (CM.) A	B	C	D	E	F	APPRO. SHIP EIGHT LBS. (KG.)	PRIMAR FUSE BLOCK PART NO.
TA-83300	50	4.17	4.13 (10.5)	3.00 (7.6)	2.59 (6.6)	2.50 (6.4)	2.30 (5.8)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700
TA-83301	100	8.33	4.90 (12.4)	3.00 (7.6)	2.59 (6.6)	2.50 (6.4)	3.35 (8.5)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700
TA-83302	150	12.50	4.92 (12.5)	3.75 (9.5)	3.21 (8.2)	3.13 (8.0)	2.81 (7.1)	.22 x .50 (0.6 x 1.3)	6 (2.7)	PL-112701
TA-83303	250	20.83	5.38 (13.7)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	3.05 (7.7)	.22 x .50 (0.6 x 1.3)	9 (4.1)	PL-112702
TA-83304	500	41.67	6.06 (15.4)	4.88 (12.4)	4.15 (10.5)	4.06 (10.3)	4.06 (10.3)	.22 x .50 (0.6 x 1.3)	13 (5.9)	PL-112703
TA-83305	750	62.50	6.43 (16.3)	5.25 (13.3)	4.47 (11.4)	4.38 (11.1)	4.00 (10.2)	.31 x .50 (0.8 x 1.3)	21 (9.5)	PL-112704
TA-83306	1000	83.33	7.30 (18.5)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	3.69 (9.4)	.31 x .50 (0.8 x 1.3)	24 (10.9)	PL-112705

① Secondary Fuse Kit PL-112603 may be substituted for PL-112600 thru PL-112602 when Primary Fuse Kit is used. See page 71.

GROUP J

240 X 480 PRIMARY VOLTS — 120/240 SECONDARY VOLTS — 1Ø, 60 Hz

CATALOG NO.	VA RATING	OUTPUT AMPS @ 120V	APPRO. DIMENSIONS INCHES (CM.) A	B	C	D	E	F	APPRO. SHIP EIGHT LBS. (KG.)	PRIMAR FUSE BLOCK PART NO.
NEW TB-83210	50	0.42	4.13 (10.5)	3.00 (7.6)	2.70 (6.8)	2.50 (6.4)	2.30 (5.8)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700
NEW TB-83212	100	0.83	4.90 (12.4)	3.00 (7.6)	2.70 (6.8)	2.50 (6.4)	3.35 (8.5)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700
NEW TB-83213	150	1.25	4.92 (12.5)	3.75 (9.5)	3.40 (8.6)	3.13 (8.0)	2.81 (7.1)	.22 x .50 (0.6 x 1.3)	6 (2.7)	PL-112701
NEW TB-83215	250	2.08	5.38 (13.7)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	3.05 (7.7)	.22 x .50 (0.6 x 1.3)	9 (4.1)	PL-112702
NEW TB-83218	500	4.17	6.06 (15.4)	5.25 (13.3)	4.47 (11.4)	4.06 (10.3)	4.06 (10.3)	.22 x .50 (0.6 x 1.3)	13 (5.9)	PL-112703
NEW TB-83219	750	6.25	6.43 (16.3)	5.25 (13.3)	4.47 (11.4)	4.38 (11.1)	5.30 (13.0)	.31 x .50 (0.8 x 1.3)	21 (9.5)	PL-112704
NEW TB-83220	1000	8.33	7.34 (18.6)	6.75 (17.1)	5.78 (14.7)	5.75 (14.6)	3.69 (9.4)	.31 x .50 (0.8 x 1.3)	24 (10.9)	PL-112705
TA-83221	1500	12.50	8.80 (22.4)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	5.02 (12.8)	.31 x .50 (0.8 x 1.3)	43 (19.5)	PL-112705
TA-83222	2000	16.67	9.15 (23.2)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	5.42 (13.8)	.31 x .50 (0.8 x 1.3)	48 (21.8)	PL-112705
TA-83223	3000	25.00	7.00 (17.8)	7.50 (19.1)	7.66 (19.5)	6.50 (16.5)	5.55 (14.1)	.41 x .81 (1.0 x 2.1)	51 (23.1)	PL-112706
TA-83224	5000	41.67	7.06 (17.9)	11.92 (30.3)	8.75 (22.2)	6.75 (17.1)	5.75 (14.6)	.41 x .81 (1.0 x 2.1)	90 (40.8)	PL-112707

GROUP K

600 PRIMARY VOLTS — 120/240 SECONDARY VOLTS — 1Ø, 60 Hz

CATALOG NO.	VA RATING	OUTPUT AMPS @ 120V	APPRO. DIMENSIONS INCHES (CM.) A	B	C	D	E	F	APPRO. SHIP EIGHT LBS. (KG.)	PRIMAR FUSE BLOCK PART NO.
TA-83310	50	0.42	4.13 (10.5)	3.00 (7.6)	2.59 (6.6)	2.50 (6.4)	2.30 (5.8)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700
TA-83311	100	0.83	4.90 (12.4)	3.00 (7.6)	2.59 (6.6)	2.50 (6.4)	3.35 (8.5)	.22 x .50 (0.6 x 1.3)	4 (1.8)	PL-112700
TA-83312	150	1.25	4.92 (12.5)	3.75 (9.5)	3.21 (8.2)	3.13 (8.0)	2.81 (7.1)	.22 x .50 (0.6 x 1.3)	6 (2.7)	PL-112701
TA-83313	250	2.08	5.38 (13.7)	4.50 (11.4)	3.84 (9.8)	3.75 (9.5)	3.05 (7.7)	.22 x .50 (0.6 x 1.3)	9 (4.1)	PL-112702
TA-83314	500	4.17	6.06 (15.4)	4.88 (12.4)	4.15 (10.5)	4.06 (10.3)	4.06 (10.3)	.22 x .50 (0.6 x 1.3)	13 (5.9)	PL-112703
TA-83315	750	6.25	6.43 (16.3)	5.25 (13.3)	4.47 (11.4)	4.38 (11.1)	4.00 (10.2)	.31 x .50 (0.8 x 1.3)	21 (9.5)	PL-112704
TA-83316	1000	8.33	7.34 (18.6)	6.75 (17.1)	5.72 (14.5)	5.75 (14.6)	3.69 (9.4)	.31 x .50 (0.8 x 1.3)	24 (10.9)	PL-112705

* See fusing chart for secondary fuse kits.

TA & TB SERIES PROTECTIVE DEVICES – Primary Fuse Kits

FUSES ARE NOT INCLUDED. CONSULT CATALOG FOR PROPER FUSE SELECTION.

CATALOG NO.	APPRO. SHIP EIGHT L. (K.)
PL-112700	1 (0.5)
PL-112701	1 (0.5)
PL-112702	1 (0.5)
PL-112703	1 (0.5)
PL-112704	1 (0.5)
PL-112705	1 (0.5)
PL-112706	1 (0.5)
PL-112707	1 (0.5)

TA SERIES PROTECTIVE DEVICES – Secondary Fuse Kits

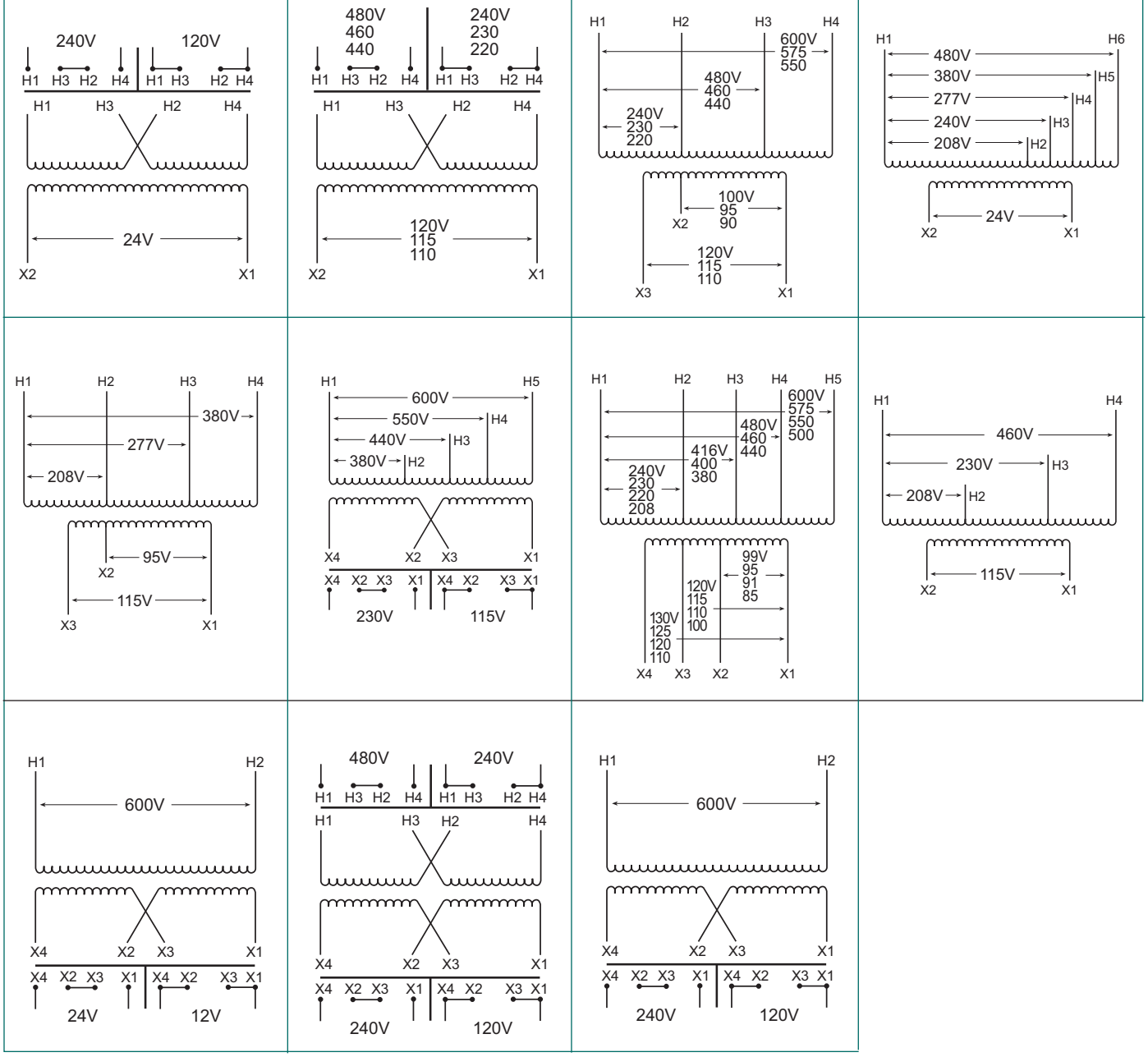
FOR USE ITH INDUSTRIAL CONTROL TRANSFORMERS THROUGH 1500 VA.

CATALOG NO.	APPRO. SHIP EIGHT L. (K.)
PL-112600	0.5 (0.2)
PL-112601	0.5 (0.2)
PL-112602	1 (0.5)
PL-112603	1 (0.5)

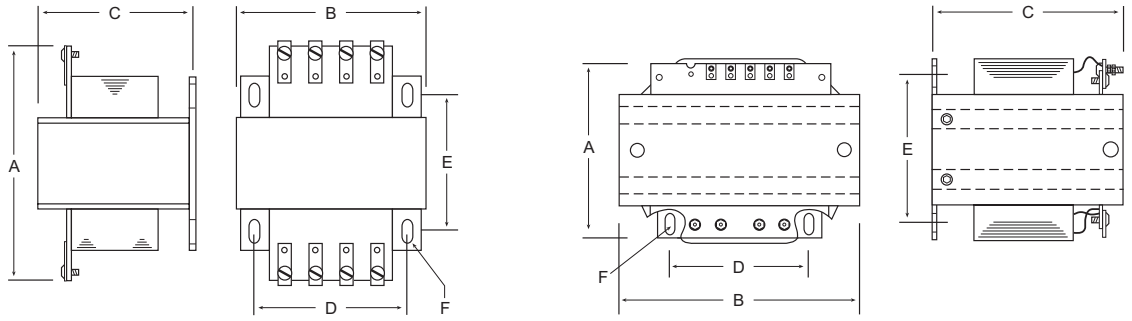
TB SERIES PROTECTIVE DEVICES– Secondary Fuse Kits

CATALOG NO.	VA	DESCRIPTION	APPRO. SHIPPING T. (LBS./KG.)
PL-79924		Fuse Kit: Secondary Fuse 1/4 x 1-1/4 w/ARM	1.0 (0.5)
PL-79928	50 – 350	Link: Small Jumper Links (Qty. 2)	1.0 (0.5)
PL-79929	500 & 750	Link: Large Jumper Links (Qty. 2)	1.0 (0.5)
PL-79930	50 – 350	Fuse Kit: Secondary Fuse Midget w/ARM	1.0 (0.5)
PL-79931	500 & 1000	Fuse Kit: Secondary Fuse Midget w/ARM	1.0 (0.5)

TA Series Open Core & Coil Wiring Diagrams



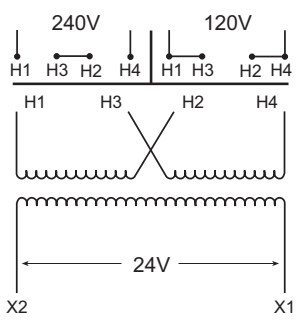
TA Series Open Core & Coil Dimensional Drawings



NEW

TB Series Open Core & Coil Wiring Diagrams

Group A



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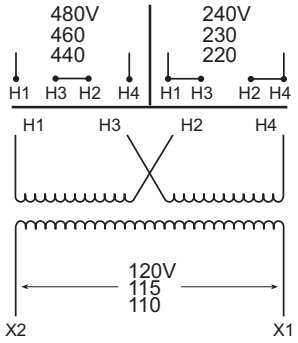

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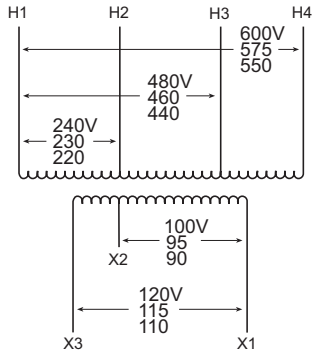

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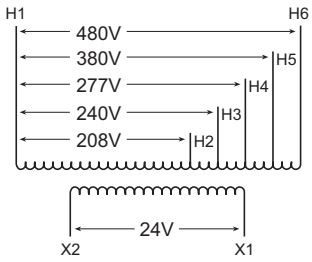

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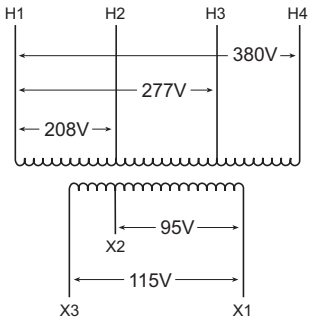
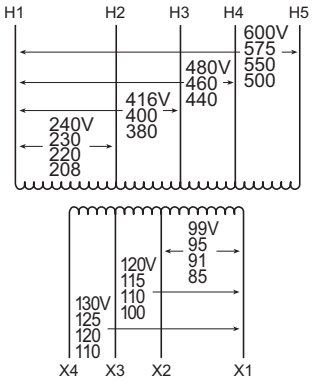


Group G



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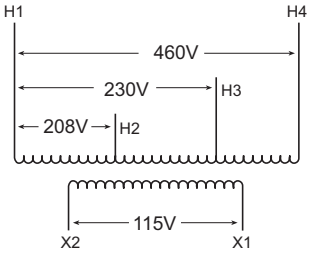
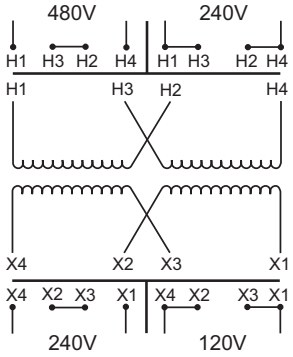
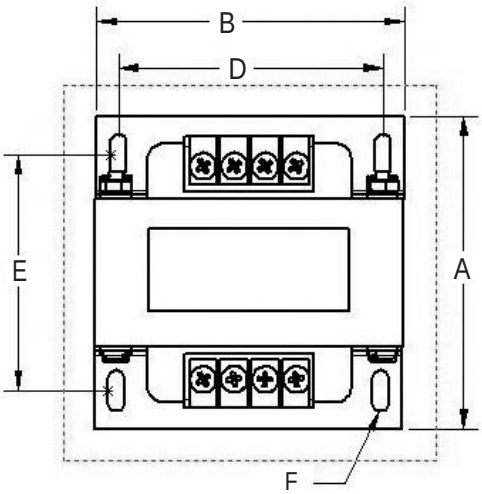


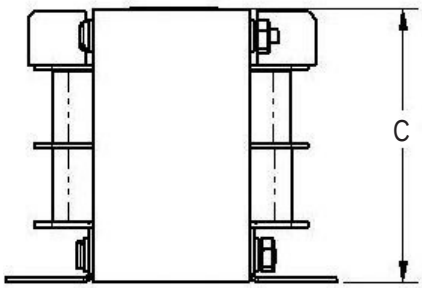
Group J



NEW

TB Series Open Core & Coil Dimensional Drawings





Industrial Control Transformers for Harsh Environments

Designed for Control Panels where Internal Installation of Control Transformers is prohibited.

Some specifications require installation of large control transformers, usually 1000 to 5000 VA outside the control cabinet. This means the transformer must be in a sheet metal enclosure instead of the usual open core and coil construction method.

Acme meets this need by providing all of the power, protection, regulation and performance of our standard industrial control transformers in one UL-3R enclosure. These transformers are wound with copper magnet wire, deliver full nameplate capacity, and provide the high regulation required in control applications.

Voltage combinations available are: 240 x 480V primary, 120V secondary and 240/480/600V primary, 120/100V secondary. Ratings available are 1000, 2000, 3000 and 5000 VA. All units are UL listed, CSA certified, and covered by Acme s exclusive 10-year limited warranty.

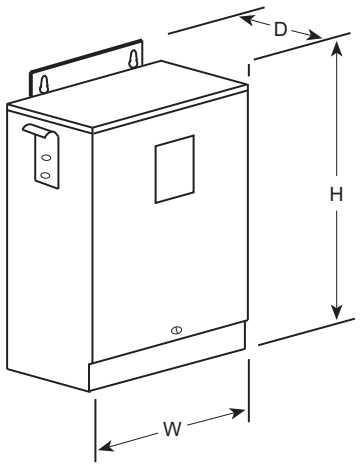
FEATURES

- Fully encapsulated and enclosed.
- 55° C temperature rise, 155°C insulation.
- Copper windings.
- 1000, 2000, 3000, 5000 and 10000 VA sizes.
- Voltage regulation exceeds NEMA requirements.
- UL and UL-3R listed.
- CSA certified.
- 10-year limited warranty.

GROUP L

240 x 480 PRIMARY VOLTS — 120 SECONDARY VOLTS③ — 1Ø, 50/60 Hz

CATALOG NO.	VA RATING	OUTPUT AMPS	APPRO. DIMENSIONS INCHES (CM.) H		D	APPRO. SHIP EIGHT LBS. (KG.)	ELECTRICAL CONNECTION DIAGRAM ① ②
T-1-81217	1000	8.33	13.10 (33.3)	10.31 (26.2)	7.13 (18.1)	55 (24.9)	B
T-1-81219	2000	16.67	14.77 (37.5)	10.31 (26.2)	7.13 (18.1)	80 (36.3)	B
T-1-81220	3000	25.00	14.77 (37.5)	10.31 (26.2)	7.13 (18.1)	100 (45.4)	B
T-1-81221	5000	41.67	13.85 (35.2)	13.25 (33.7)	10.19 (25.9)	140 (63.5)	B
T-1-81223	10000	83.3	16.47 (41.8)	13.88 (35.3)	12.94 (32.9)	308 (139.7)	B



GROUP M

240/480/600 PRIMARY VOLTS — 120/100 Secondary Volts ③ — 1Ø, 50/60 Hz

CATALOG NO.	VA RATING	OUTPUT AMPS	APPRO. DIMENSIONS INCHES (CM.) H		D	APPRO. SHIP EIGHT LBS. (KG.)	ELECTRICAL CONNECTION DIAGRAM ① ②
T-1-53929	2000	16.67	14.77 (37.5)	10.31 (26.2)	7.13 (18.1)	80 (36.3)	C
T-1-53930	3000	25.00	13.85 (35.2)	13.25 (33.7)	10.19 (25.9)	130 (59.0)	C
T-1-53931	5000	41.67	13.85 (35.2)	13.25 (33.7)	10.19 (25.9)	140 (63.5)	C

① See page 72 for electrical diagram.

② See page 66 for fuse sizing information.

③ For secondary fuse size, multiply output amps x 1.25.

NEW AE/CE Series Industrial Control Transformers

The Acme Electric AE and CE Series Industrial Control Transformers are designed specifically for machine tool control circuit applications. These transformers have the ability to handle potentially damaging high in-rush currents that occur when electromagnetic components are energized, without sacrificing the required stable output voltage. Designed to meet or exceed the demands of international standards, combined with the full breadth of product offering, the AE and CE Series Transformers from Acme Electric are the ideal solution for your industrial control applications.

FEATURES & BENEFITS

- Epoxy encapsulated design protects core & coil assembly from potentially damaging contaminants.
- Integrally molded terminal blocks with isolation barriers to prevent arc over, terminal blocks allow full access for ring terminals for easy installation and solid termination.
- Heavy gauge steel mounting feet.
- Available factory or field installed fuse blocks provide integral fusing on the primary or primary and secondary.
- Dual labeling for easy product identification when equipped with a fuse block.
- 50-750 VA, 50/60 Hz.
- UL and cUL Listed, CE Marked (CE Series only).
- Ten-year limited warranty.
- 55° C Temperature Rise.
- 105° C Insulation Class.

Cooler. Cleaner. More Compact.

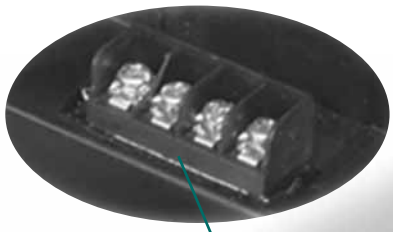
The AE and CE Series design improves the dissipation of the heat away from the core and coil assembly providing cooler operation. In addition, the AE and CE Series industrial control transformers seal the transformer s windings and internal terminations within an epoxy encapsulant encased in a durable thermoplastic end cap, protecting them from potentially damaging moisture, dirt and other ambient contaminants. Furthermore, Acme s compact design helps minimize the mounting footprint, providing more flexibility in applications where space is at a premium.

CE Series for Global Applications

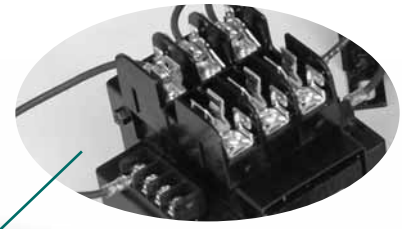
Acme s CE Series Encapsulated Industrial Control Transformers carry the CE mark, indicating it complies with the requirements established by the International Electrotechnical Commission (IEC) for use of control circuit transformers in the countries of the European Union. Regulations that apply to control transformers include Low Voltage Directive 73/23/EEC and Electromagnetic Compatibility (EMC) Directive 89/336/EEC.

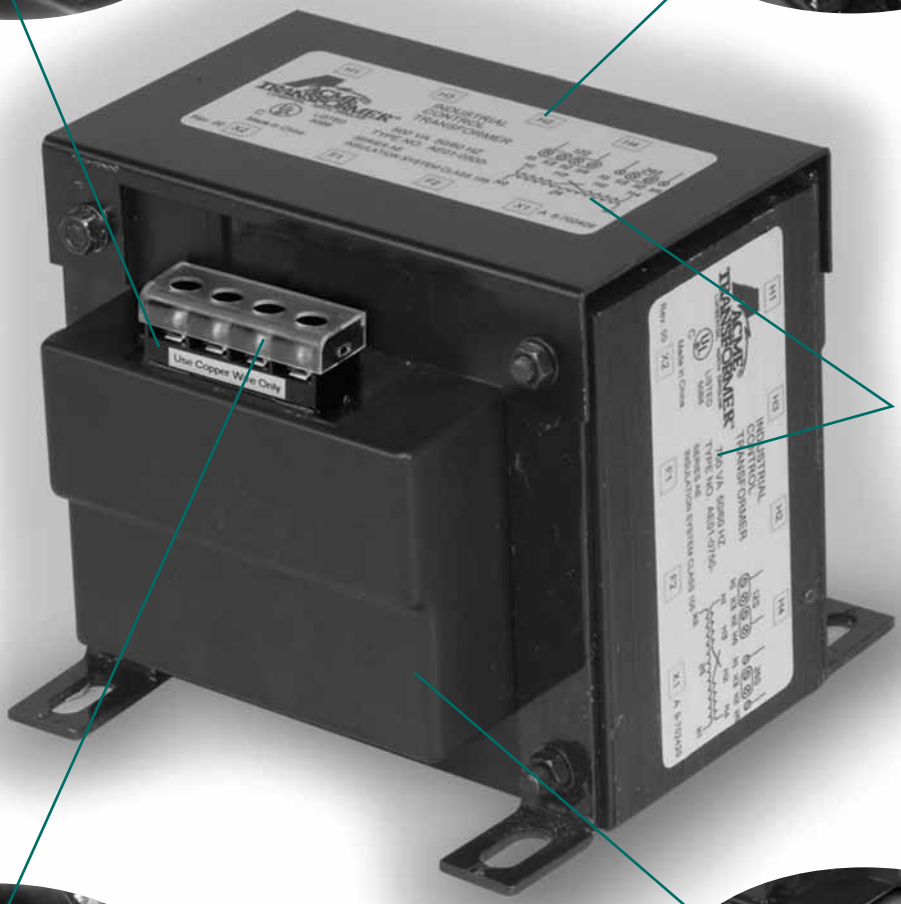
FEATURES

Integrally molded terminal blocks with combination slotted/phillips screws. Isolation barriers protect against arc over while able to accommodate a full ring terminal.

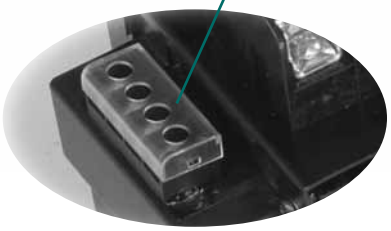


Integrally mounted fuse blocks available in standard and touch-proof (CE Series) style.





Dual labels for identification of fused modules



CE Series offers touch-proof terminals, isolating live contacts for additional safety.

Epoxy encapsulated copper windings and internal terminations, providing isolation from external contaminants and physical damage.

SELECTION CH RTS E SERIES

NEW

GROUP I

120 x 240 PRIMARY VOLTS — 24 SECONDARY VOLTS –– 1Ø, 50/60 Hz

VA RATING	CATALOG NUMBER	APPRO. DIMENSIONS INCHES (CM.) A	B	C	D	E	MOUNTING SLOT F	APPRO. SHIPPING T
50	AE01-0050	2.69 (6.8)	3.00 (7.6)	2.81 (7.1)	2.03 (5.1)	2.53 (6.4)	.20 x .40 (0.5 x 1.0)	2.50 (1.1)
75	AE01-0075	3.22 (8.1)	3.00 (7.6)	2.81 (7.1)	2.53 (6.4)	2.53 (6.4)	.20 x .40 (0.5 x 1.0)	3.50 (1.6)
100	AE01-0100	3.28 (8.3)	3.41 (8.6)	3.09 (7.8)	2.41 (6.1)	2.81 (7.1)	.20 x .40 (0.5 x 1.0)	4.05 (1.8)
150	AE01-0150	3.88 (9.8)	3.78 (9.6)	3.41 (8.6)	2.97 (7.5)	3.13 (7.9)	.20 x .40 (0.5 x 1.0)	6.50 (2.9)
250	AE01-0250	4.13 (10.4)	4.50 (11.4)	3.84 (9.7)	2.94 (7.4)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	9.25 (4.2)
350	AE01-0350	5.00 (12.7)	4.50 (11.4)	3.84 (9.7)	3.78 (9.6)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	12.75 (5.8)
500	AE01-0500	5.53 (14.0)	5.25 (13.3)	4.66 (11.8)	4.16 (10.5)	4.38 (11.1)	.31 x .69 (0.8 x 1.7)	19.00 (8.6)
750	AE01-0750	6.81 (17.3)	5.25 (13.3)	4.66 (11.8)	5.75 (14.6)	4.38 (11.1)	.31 x .69 (0.8 x 1.7)	26.00 (11.8)

NEW

GROUP II

200/220/440, 208/230/460, 240/480 PRIMARY VOLTS — 23/110, 24/115, 25/120 SECONDARY VOLTS — 1Ø, 50/60 Hz

VA RATING	CATALOG NUMBER	APPRO. DIMENSIONS INCHES (CM.) A	B	C	D	E	MOUNTING SLOT F	APPRO. SHIPPING T
50	AE02-0050	3.28 (8.3)	3.00 (7.6)	2.78 (7.0)	2.25 (5.7)	2.53 (6.4)	.20 x .40 (0.5 x 1.0)	3.0 (1.4)
75	AE02-0075	3.28 (8.3)	3.00 (7.6)	3.09 (7.8)	2.53 (6.4)	2.81 (7.1)	.20 x .40 (0.5 x 1.0)	4.0 (1.8)
100	AE02-0100	3.28 (8.3)	3.41 (8.6)	3.41 (8.6)	2.53 (6.4)	3.13 (7.9)	.20 x .40 (0.5 x 1.0)	4.0 (1.8)
150	AE02-0150	4.03 (10.2)	3.75 (9.5)	3.41 (8.6)	3.28 (8.3)	3.13 (7.9)	.20 x .40 (0.5 x 1.0)	7.0 (3.2)
250	AE02-0250	4.38 (11.1)	4.50 (11.4)	4.03 (10.2)	3.75 (9.5)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	9.0 (4.1)
300	AE02-0300	5.13 (13.0)	4.50 (11.4)	4.97 (12.6)	3.88 (9.8)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	11.0 (5.0)
350	AE02-0350	5.25 (13.3)	4.50 (11.4)	4.97 (12.6)	4.16 (10.5)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	13.0 (5.9)
500	AE02-0500	6.31 (16.0)	5.25 (13.3)	4.97 (12.6)	5.25 (13.3)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	19.0 (8.6)
750	AE02-0750	6.81 (17.3)	5.25 (13.3)	4.97 (12.6)	5.75 (14.6)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	27.0 (12.2)

NEW

GROUP III

240 x 480 PRIMARY VOLTS — 24 SECONDARY VOLTS –– 1Ø, 50/60 Hz

VA RATING	CATALOG NUMBER	APPRO. DIMENSIONS INCHES (CM.) A	B	C	D	E	MOUNTING SLOT F	APPRO. SHIPPING T
50	AE03-0050	2.69 (6.8)	3.00 (7.6)	2.81 (7.1)	2.03 (5.1)	2.53 (6.4)	.20 x .40 (0.5 x 1.0)	2.5 (1.1)
75	AE03-0075	3.22 (8.1)	3.00 (7.6)	2.81 (7.1)	2.53 (6.4)	2.53 (6.4)	.20 x .40 (0.5 x 1.0)	3.5 (1.6)
100	AE03-0100	3.28 (8.3)	3.41 (8.6)	3.09 (7.8)	2.41 (6.1)	2.81 (7.1)	.20 x .40 (0.5 x 1.0)	4.0 (1.8)
150	AE03-0150	3.88 (9.8)	3.84 (9.7)	3.41 (8.6)	2.97 (7.5)	3.13 (7.9)	.20 x .40 (0.5 x 1.0)	6.5 (2.9)
250	AE03-0250	4.13 (10.4)	4.50 (11.4)	3.84 (9.7)	2.94 (7.4)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	9.2 (4.2)
350	AE03-0350	5.00 (12.7)	4.50 (11.4)	3.84 (9.7)	3.78 (9.6)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	12.7 (5.8)
500	AE03-0500	5.53 (14.0)	5.25 (13.3)	4.66 (11.8)	4.16 (10.5)	4.34 (11.0)	.31 x .69 (0.8 X 1.7)	19.0 (8.6)
750	AE03-0750	6.81 (17.3)	5.25 (13.3)	4.66 (11.8)	5.75 (14.6)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	26.0 (11.8)

NEW

GROUP VI

240 x 480, 230 x 460, 220 x 440 PRIMARY VOLTS —120/115/110 SECONDARY VOLTS — 1Ø, 50/60 Hz

VA RATING	CATALOG NUMBER	APPRO . DIMENSIONS INCHES (CM.) A	B	C	D	E	MOUNTING SLOT F	APPRO . SHIPPING T
50	AE06-0050	2.69 (6.8)	3.00 (7.6)	2.81 (7.1)	2.03 (5.1)	2.53 (6.4)	.20 x .40 (0.5 x 1.0)	2.5 (1.1)
75	AE06-0075	3.22 (8.1)	3.00 (7.6)	2.81 (7.1)	2.53 (6.4)	2.53 (6.4)	.20 x .40 (0.5 x 1.0)	3.5 (1.6)
100	AE06-0100	3.28 (8.3)	3.41 (8.6)	3.09 (7.8)	2.41 (6.1)	2.81 (7.1)	.20 x .40 (0.5 x 1.0)	4.0 (1.8)
150	AE06-0150	3.88 (9.8)	3.84 (9.7)	3.41 (8.6)	2.97 (7.5)	3.13 (7.5)	.20 x .40 (0.5 x 1.0)	6.5 (2.9)
250	AE06-0250	4.13 (10.4)	4.50 (11.4)	3.84 (9.7)	2.94 (7.4)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	9.2 (4.2)
350	AE06-0350	5.00 (12.7)	4.50 (11.4)	3.84 (9.7)	3.78 (9.6)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	12.7 (5.8)
500	AE06-0500	5.53 (14.0)	5.25 (13.3)	4.66 (11.8)	4.16 (10.5)	4.34 (11.0)	.31 x .69 (0.8 X 1.7)	19.0 (8.6)
750	AE06-0750	6.81 (17.3)	5.25 (13.3)	4.66 (11.8)	5.75 (14.6)	4.31 (10.9)	.31 x .69 (0.8 X 1.7)	26.0 (11.8)

NEW

GROUP VII

208/230/460 PRIMARY VOLTS — 115 SECONDARY VOLTS — 1Ø, 50/60 Hz

VA RATING	CATALOG NUMBER	APPRO . DIMENSIONS INCHES (CM.) A	B	C	D	E	MOUNTING SLOT F	APPRO . SHIPPING T
50	AE07-0050	2.84 (7.2)	3.00 (7.6)	2.81 (7.1)	2.16 (5.4)	2.53 (6.4)	.20 x .40 (0.5 x 1.0)	2.6 (1.2)
100	AE07-0100	3.41 (6.6)	3.41 (8.6)	3.09 (7.8)	2.69 (6.8)	2.81 (7.1)	.20 x .40 (0.5 x 1.0)	4.2 (1.9)
150	AE07-0150	3.88 (9.8)	3.75 (9.5)	3.41 (8.6)	3.09 (7.8)	3.09 (7.8)	.20 x .40 (0.5 x 1.0)	6.7 (3.1)
250	AE07-0250	4.16 (10.5)	4.50 (11.4)	4.03 (10.2)	3.28 (8.3)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	9.5 (4.3)
350	AE07-0350	5.19 (13.1)	4.50 (11.4)	4.03 (10.2)	4.38 (11.1)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	13.4 (6.1)
500	AE07-0500	5.88 (14.9)	5.25 (13.3)	4.66 (11.8)	4.78 (12.1)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	19.0 (8.6)
750	AE07-0750	6.81 (17.3)	5.25 (13.3)	4.66 (11.8)	5.75 (14.6)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	27.0 (12.2)

NEW

GROUP XII

230/460/575 PRIMARY VOLTS — 95/115 SECONDARY VOLTS — 1Ø, 50/60 Hz

VA RATING	CATALOG NUMBER	APPRO . DIMENSIONS INCHES (CM.) A	B	C	D	E	MOUNTING SLOT F	APPRO . SHIPPING T
50	AE12-0050	2.88 (7.3)	3.00 (7.6)	2.81 (7.1)	2.19 (5.5)	2.53 (6.4)	.20 x .40 (0.5 x 1.0)	2.6 (1.2)
100	AE12-0100	3.59 (9.1)	3.41 (8.6)	3.09 (7.8)	2.88 (7.3)	2.81 (7.1)	.20 x .40 (0.5 x 1.0)	4.2 (1.9)
150	AE12-0150	3.94 (10.0)	3.78 (9.6)	3.41 (8.6)	3.28 (8.3)	3.09 (7.8)	.20 x .40 (0.5 x 1.0)	6.8 (3.1)
250	AE12-0250	4.16 (10.5)	4.50 (11.4)	4.03 (10.2)	3.22 (8.1)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	9.5 (4.3)
350	AE12-0350	5.00 (12.7)	4.50 (11.4)	4.03 (10.2)	3.69 (9.3)	4.31 (10.9)	.20 x .40 (0.5 x 1.0)	13.2 (6.0)
500	AE12-0500	5.84 (14.8)	5.25 (13.3)	4.66 (11.8)	4.66 (11.8)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	19.2 (8.7)
750	AE12-0750	6.81 (17.3)	5.25 (13.3)	4.66 (11.8)	5.81 (14.7)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	27.0 (12.2)

SELECTION CH RTS CE SERIES

NEW

GROUP IC

120 x 240 PRIMARY VOLTS –– 24 SECONDARY VOLTS –– 1Ø, 50/60 Hz

VA RATING	CATALOG NUMBER	APPRO . DIMENSIONS INCHES (CM.) A	B	C	D	E	MOUNTING SLOT F	APPRO . SHIPPING T
50	CE01-0050	2.69 (6.8)	3.00 (7.6)	2.81 (7.1)	2.25 (5.7)	2.56 (6.5)	.20 x .40 (0.5 x 1.0)	2.5 (1.2)
75	CE01-0075	3.22 (8.1)	3.41 (8.6)	2.81 (7.1)	2.25 (5.7)	2.88 (7.3)	.20 x .40 (0.5 x 1.0)	3.5 (1.6)
100	CE01-0100	3.28 (8.3)	3.75 (9.5)	3.09 (7.8)	2.53 (6.4)	3.13 (7.9)	.20 x .40 (0.5 x 1.0)	4.2 (1.9)
150	CE01-0150	3.88 (9.8)	4.50 (11.4)	3.41 (8.6)	2.53 (6.4)	3.84 (9.7)	.20 x .40 (0.5 x 1.0)	6.6 (3.0)
250	CE01-0250	4.13 (10.4)	4.50 (11.4)	4.03 (10.2)	3.22 (8.1)	3.84 (9.7)	.20 x .40 (0.5 x 1.0)	9.4 (4.3)
350	CE01-0350	5.00 (12.7)	5.25 (13.3)	4.03 (10.2)	3.75 (9.5)	4.50 (11.4)	.31 x .69 (0.8 X 1.7)	13.0 (5.9)
500	CE01-0500	5.50 (13.9)	5.25 (13.3)	4.66 (11.8)	4.28 (10.8)	4.50 (11.4)	.31 x .69 (0.8 X 1.7)	19.1 (8.7)
750	CE01-0750	7.03 (17.8)	5.25 (13.3)	4.66 (11.8)	5.75 (14.6)	4.50 (11.4)	.31 x .69 (0.8 X 1.7)	26.6 (12.1)

NEW

GROUP IIC

200/220/440, 208/230/460, 240/480 PRIMARY VOLTS –– 23/110, 24/115, 25/120 SECONDARY VOLTS –– 1Ø, 50/60 Hz

VA RATING	CATALOG NUMBER	APPRO . DIMENSIONS INCHES (CM.) A	B	C	D	E	MOUNTING SLOT F	APPRO . SHIPPING T
50	CE02-0050	3.28 (8.3)	3.28 (8.3)	2.81 (7.1)	2.25 (5.7)	2.81 (7.1)	.20 x .40 (0.5 x 1.0)	2.7 (1.2)
100	CE02-0100	4.03 (10.2)	3.75 (9.5)	3.13 (7.9)	3.22 (8.1)	3.16 (8.0)	.20 x .40 (0.5 x 1.0)	4.3 (1.9)
150	CE02-0150	4.03 (10.2)	4.50 (11.4)	3.41 (8.6)	2.81 (7.1)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	6.8 (3.0)
250	CE02-0250	4.78 (12.1)	4.50 (11.4)	4.03 (10.2)	4.06 (10.3)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	9.7 (4.4)
350	CE02-0350	5.53 (14.0)	5.25 (13.3)	4.03 (10.2)	4.28 (10.8)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	13.5 (6.1)
500	CE02-0500	7.25 (18.4)	5.25 (13.3)	4.69 (11.9)	6.00 (15.2)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	19.6 (8.9)
750	CE02-0750	6.81 (17.3)	5.28 (13.4)	4.69 (11.9)	5.75 (14.6)	4.44 (11.2)	.31 x .69 (0.8 X 1.7)	27.0 (12.2)

NEW

GROUP IIIC

240 x 480 PRIMARY VOLTS –– 24 SECONDARY VOLTS –– 1Ø, 50/60 Hz

VA RATING	CATALOG NUMBER	APPRO . DIMENSIONS INCHES (CM.) A	B	C	D	E	MOUNTING SLOT F	APPRO . SHIPPING T
50	CE03-0050	3.00 (7.6)	3.00 (7.6)	2.81 (7.1)	2.25 (5.7)	2.53 (6.4)	.20 x .40 (0.5 x 1.0)	2.5 (1.1)
75	CE03-0075	3.28 (8.3)	3.28 (8.3)	2.81 (7.1)	2.25 (5.7)	2.81 (7.1)	.20 x .40 (0.5 x 1.0)	3.5 (1.6)
100	CE03-0100	3.28 (8.3)	3.75 (9.5)	3.09 (7.8)	2.53 (6.4)	3.13 (7.9)	.20 x .40 (0.5 x 1.0)	4.0 (1.8)
150	CE03-0150	3.88 (9.8)	4.50 (11.4)	3.47 (8.8)	2.53 (6.4)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	6.5 (2.9)
250	CE03-0250	4.13 (10.4)	4.50 (11.4)	4.03 (10.2)	3.22 (8.1)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	9.2 (4.2)
350	CE03-0350	5.00 (12.7)	5.25 (13.3)	4.03 (10.2)	3.75 (9.5)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	12.7 (5.8)
500	CE03-0500	5.53 (14.0)	5.25 (13.3)	4.66 (11.8)	4.28 (10.8)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	19.0 (8.6)
750	CE03-0750	7.03 (17.8)	5.25 (13.3)	4.66 (11.8)	5.41 (13.7)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	26.0 (11.8)

NEW

GROUP IVC

380/400/415 PRIMARY VOLTS — 110/220 SECONDARY VOLTS — 1Ø, 50/60 Hz

VA RATING	CATALOG NUMBER	APPRO. DIMENSIONS INCHES (CM.) A	B	C	D	E	MOUNTING SLOT F	APPRO. SHIPPING T
50	CE04-0050	3.53 (8.9)	3.00 (7.6)	2.81 (7.1)	2.53 (6.4)	2.53 (6.4)	.20 x .40 (0.5 x 1.0)	2.6 (1.2)
100	CE04-0100	3.53 (8.9)	3.75 (9.5)	3.22 (8.1)	2.53 (6.4)	3.13 (8.0)	.20 x .40 (0.5 x 1.0)	4.3 (1.9)
150	CE04-0150	3.53 (8.9)	4.34 (11.0)	3.41 (8.6)	2.53 (6.4)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	6.7 (3.0)
250	CE04-0250	4.03 (10.2)	4.50 (11.4)	4.22 (10.7)	3.22 (8.1)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	9.4 (4.3)
350	CE04-0350	4.91 (12.4)	4.50 (11.4)	4.22 (10.7)	4.06 (10.3)	4.38 (11.1)	.20 x .40 (0.5 x 1.0)	13.0 (5.9)
500	CE04-0500	6.00 (15.2)	5.25 (13.3)	4.69 (11.9)	4.78 (12.1)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	18.8 (8.5)
750	CE04-0750	6.81 (17.3)	5.25 (13.3)	4.69 (11.9)	5.75 (14.6)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	26.0 (11.8)

NEW

GROUP VC

208, 220/380/440, 230/400/460, 240/416/480 PRIMARY VOLTS —
85/100/110, 91/110/120, 95/115/125, 99/120/130 SECONDARY VOLTS — 1Ø, 50/60 Hz

VA RATING	CATALOG NUMBER	APPRO. DIMENSIONS INCHES (CM.) A	B	C	D	E	MOUNTING SLOT F	APPRO. SHIPPING T
50	CE05-0050	4.03 (10.2)	3.41 (8.6)	3.09 (7.8)	2.47 (6.2)	2.81 (7.1)	.20 x .40 (0.5 x 1.0)	2.7 (1.2)
150	CE05-0150	3.88 (9.8)	4.34 (11.0)	3.41 (8.6)	2.88 (7.3)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	6.7 (3.0)
250	CE05-0250	5.13 (13.0)	4.50 (11.4)	4.03 (10.2)	4.38 (11.1)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	9.5 (4.3)
350	CE05-0350	5.91 (15.0)	5.25 (13.3)	4.03 (10.2)	4.78 (12.1)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	13.3 (6.0)
500	CE05-0500	5.91 (15.0)	5.25 (13.3)	4.66 (11.8)	4.63 (11.7)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	19.0 (8.6)
750	CE05-0750	7.09 (18.0)	5.25 (13.3)	4.66 (11.1)	5.81 (14.7)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	27.0 (12.2)

NEW

GROUP VIC

240 x 480, 230 x 460, 220 x 440 PRIMARY VOLTS —120/115/110 SECONDARY VOLTS — 1Ø, 50/60 Hz

VA RATING	CATALOG NUMBER	APPRO. DIMENSIONS INCHES (CM.) A	B	C	D	E	MOUNTING SLOT F	APPRO. SHIPPING T
50	CE06-0050	3.41 (8.6)	3.00 (7.6)	2.81 (7.1)	2.53 (6.4)	2.53 (6.4)	.20 x .40 (0.5 x 1.0)	2.6 (1.2)
75	CE06-0075	3.41 (8.6)	3.28 (8.3)	2.81 (7.1)	2.53 (6.4)	2.81 (7.1)	.20 x .40 (0.5 x 1.0)	3.6 (1.6)
100	CE06-0100	3.41 (8.6)	3.75 (9.5)	3.09 (7.8)	2.53 (6.4)	3.13 (7.9)	.20 x .40 (0.5 x 1.0)	4.3 (1.9)
150	CE06-0150	3.88 (9.8)	4.50 (11.4)	3.47 (8.8)	2.53 (6.4)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	6.7 (3.0)
250	CE06-0250	4.13 (10.4)	4.50 (11.4)	4.03 (10.2)	3.22 (8.1)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	9.4 (4.3)
300	CE06-0300	4.53 (11.5)	4.50 (11.4)	4.03 (10.2)	3.75 (9.5)	3.75 (9.5)	.20 x .40 (0.5 x 1.0)	10.9 (4.9)
350	CE06-0350	5.00 (12.7)	5.25 (13.3)	4.03 (10.2)	3.75 (9.5)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	13.0 (5.9)
500	CE06-0500	6.00 (15.2)	5.25 (13.3)	4.66 (11.8)	4.78 (12.1)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	18.8 (8.5)
750	CE06-0750	6.81 (17.3)	5.25 (13.3)	4.66 (11.8)	5.75 (14.6)	4.38 (11.1)	.31 x .69 (0.8 X 1.7)	26.0 (11.8)

FUSE SIZING CHARTS

PRIMARY FUSE SIZING CHARTS

RECOMMENDED RATING FOR CURRENT LIMITING CLASS CC FUSES

	120 V	208 V	220 V	230 V	240 V	380 V	400 V	416 V	440 V	460 V	480 V	500 V	550 V	575 V	600 V
50 VA	1.25	0.60	0.60	0.60	0.60	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.25	0.25	0.25
75 VA	1.80	1.00	1.00	0.80	0.80	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.30	0.30
100 VA	2.50	1.40	1.25	1.25	1.25	0.75	0.75	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50
150 VA	3.50	2.00	2.00	1.80	1.80	1.13	1.13	1.00	1.00	0.80	0.80	0.80	0.80	0.75	0.75
250 VA	3.20	3.50	3.20	3.20	3.00	1.80	1.80	1.80	1.60	1.60	1.50	1.50	1.25	1.25	1.25
300 VA	4.00	4.00	4.00	3.50	3.50	2.25	2.25	2.00	2.00	1.80	1.80	1.80	1.60	1.50	1.50
350 VA	4.50	5.00	4.50	4.50	4.00	2.50	2.50	2.50	2.25	2.25	2.00	2.00	1.80	1.80	1.60
500 VA	6.25	4.00	3.50	3.50	3.20	3.50	3.50	3.50	3.20	3.20	3.00	3.00	2.50	2.50	2.50
750 VA	10.00	6.00	5.60	5.00	5.00	5.60	5.60	5.00	5.00	4.50	4.50	4.50	4.00	3.50	3.50

NOTE: Bold lines indicate changes in the percent of rated current used to calculate fuse sizes in accordance with article 450 of the NEC.

SECONDARY FUSE SIZING CHARTS

RECOMMENDED RATING FOR CURRENT LIMITING MIDGET FUSES

	24 V	85 V	91 V	95 V	99 V	100 V	110 V	115 V	120 V	125 V	130 V
50 VA	2.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.25
75 VA	3.00	–	–	–	–	–	0.75	0.75	0.75	–	–
100 VA	5.00	–	–	–	–	–	1.00	1.00	1.00	–	–
150 VA	6.00	2.00	2.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.00
250 VA	12.00	3.00	3.00	3.00	3.00	3.00	2.00	2.00	2.00	2.00	2.00
300 VA	–	–	–	–	–	–	3.00	3.00	3.00	–	–
350 VA	15.00	5.00	4.00	4.00	4.00	4.00	3.00	3.00	3.00	3.00	3.00
500 VA	25.00	6.00	6.00	6.00	6.00	6.00	5.00	5.00	5.00	5.00	4.00
750 VA	35.00	10.00	10.00	8.00	8.00	8.00	8.00	8.00	6.00	6.00	6.00

CONNECTION DETAILS FOR AE05 & CE05

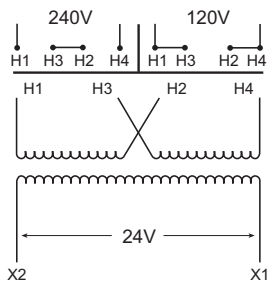
H1-H2	H1-H3	H1-H4	1- 2	1- 3	1- 4
208			85	100	110
220	380	440	91	110	120
230	400	460	95	115	125
240	416	480	99	120	130

FUSE KITS & ACCESSORIES

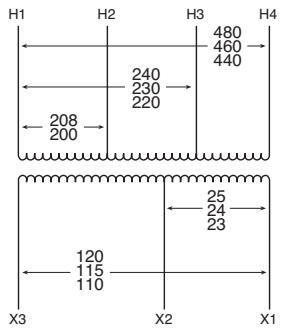
CATALOG NUMBER	VA	DESCRIPTION	APPRO . SHIPPING T. (L ./K .)
PL-79920	50-750	Fuse Kit: Primary Fuse Block EIC Series (2 Class CC Blocks)	1.0 (0.5)
PL-79921	150-750	Fuse Kit: Primary & Secondary Fuse Block EIC Series (2 Class CC and 1 Midget Blocks)	1.0 (0.5)
PL-79922	50-750	Fuse Kit: Primary Fuse Block EIC Series CE Listed w/ Covers (2 Class CC Blocks)	1.0 (0.5)
PL-79923	150-750	Fuse Kit: Primary & Secondary Fuse Block EIC Series CE Listed w/ Covers (2 Class CC and 1 Midget Blocks)	1.0 (0.5)
PL-79924		Fuse Kit: Secondary Fuse 1/4 x 1-1/4 w/ARM	1.0 (0.5)
PL-79925	50 – 350	Cover: Small Terminal Covers (Qty. 2)	1.0 (0.5)
PL-79926	500 & 750	Cover: Large Terminal Covers (Qty. 2)	1.0 (0.5)
PL-79927		Cover: Fuse Block Covers (Qty. 1)	1.0 (0.5)
PL-79928	50 – 350	Link: Small Jumper Links (Qty. 2)	1.0 (0.5)
PL-79929	500 & 750	Link: Large Jumper Links (Qty. 2)	1.0 (0.5)
PL-79930	50 – 350	Fuse Kit: Secondary Fuse Midget w/ARM	1.0 (0.5)
PL-79931	500 & 750	Fuse Kit: Secondary Fuse Midget w/ARM	1.0 (0.5)

AE & CE Series Wiring Diagrams

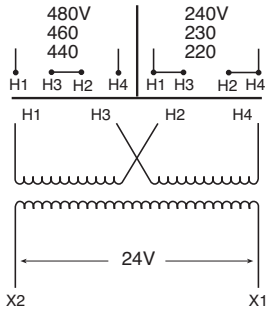
WIRING FOR AE01 & CE01



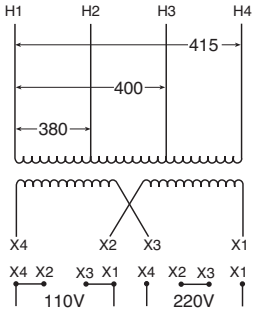
WIRING FOR AE02 & CE02



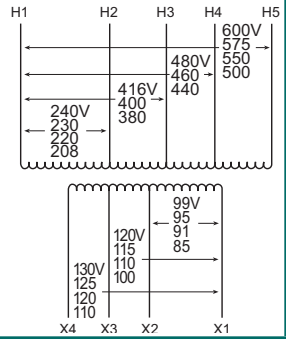
WIRING FOR AE03 & CE03



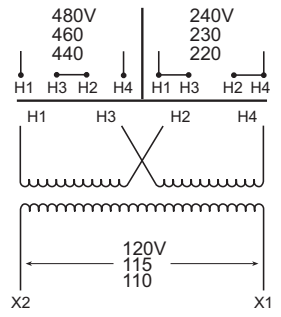
WIRING FOR CE04



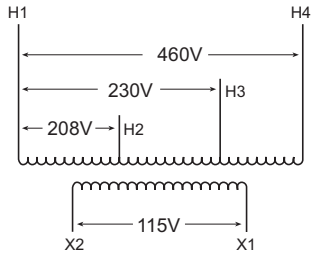
WIRING FOR AE05 & CE05



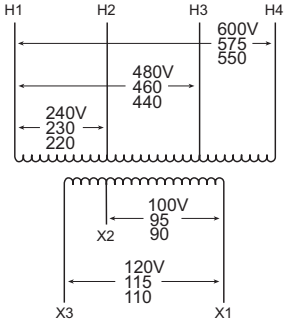
WIRING FOR AE06 & CE06



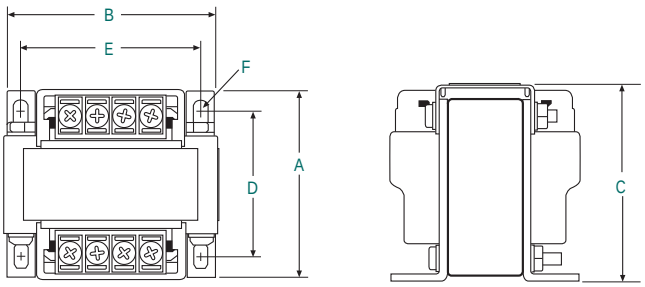
WIRING FOR AE07



WIRING FOR AE12



AE & CE Series Dimensional Drawings

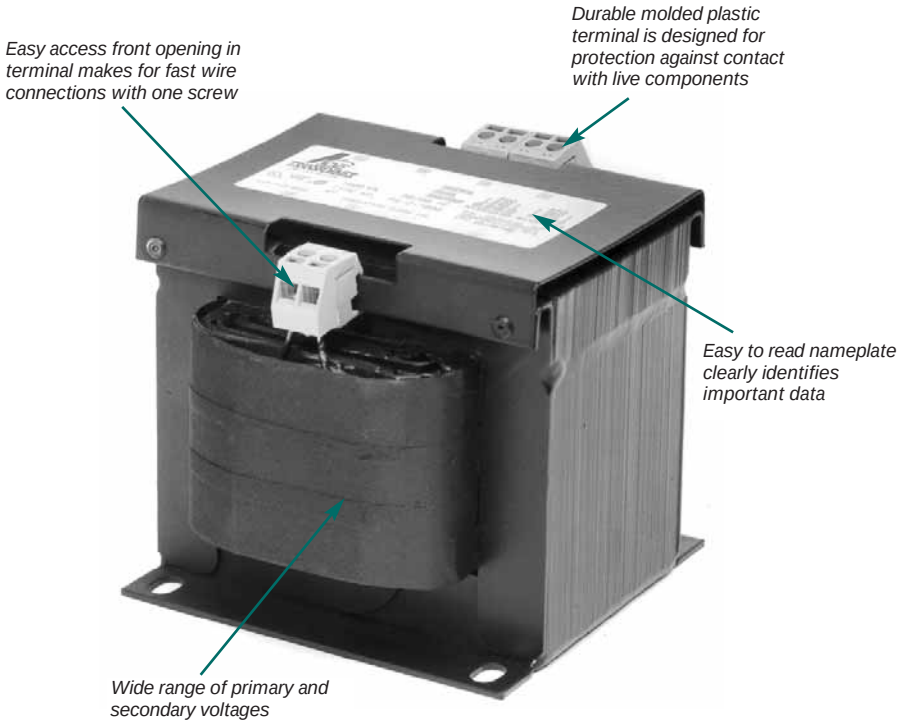


FINGER/GUARD Industrial Control Transformers

The Acme FINGER/GUARD® line of Touch-Protected Industrial Control Transformers offers the most advanced and versatile design concepts available to the marketplace today.

They are designed to meet Acme s rigid standards for mechanical durability as well as surpass Agency and Industry electrical standards. The FINGER/GUARD® line is designed for all control applications and features integrally installed, durable molded plastic terminations designed to protect against contact with live components. No slip-on plastic covers to be broken, lost or misplaced.

All FINGER/GUARD® products use copper windings, high-permeability silicon steel cores and 130 degree C (Class B) insulation. All FINGER/GUARD® products meet or exceed ANSI, IEC and NEMA standards. They are third party witness tested and are UL Listed (File E79947), CSA Certified (File 7357) and CE Marked (to EN60742)... ON ALL SIZES. The product is suitable for both 50 and 60 Hertz applications and is available in sizes ranging from 50 VA to 3000 VA.



FEATURES

- Constructed with high quality silicon steel lamination to minimize core losses and increase efficiency.
- Designs incorporate precision wound coils for improved regulation.
- Copper windings on all groups.
- 50 VA through 3000 VA sizes, 50/60 Hz.
- 130°C (Class B) Insulation 80°C temperature rise.
- Voltage regulation exceeds NEMA requirements.
- UL Listed, CSA Certified and CE Marked.
- Attractive finish, nameplate, and design features enhance the end product.
- Ten-year limited warranty.
- Smaller, lighter weight design.

CE Marking

(Conformit Europ ene)

The CE Marking, standing for Conformité Européene, is a European Mark of conformity indicating that a product or system to which it is applied, complies with European law (Directives) regulating a necessary level of protection in Europe with respect to safety, health, environmental and consumer protection; however, it is not intended as a guarantee of quality for the consumer. The CE Marking must be applied to products being placed on the European market. The CE Marking does allow a product to be moved freely within the internal market of the European Union.

The Directives that apply to Control or Power Distribution Transformers are:

Low Voltage Directive, 73/23/EEC effective January 1, 1997

Electromagnetic Compatibility (EMC) Directive, 89/336/EEC effective January 1, 1996

The stringent testing required to obtain a third party certification mark in many cases is significantly more rigid than domestic requirements. This ensures that not only the Acme FINGER/GUARD® product, but all of our CE Marked products are designed to meet a higher level of safety standards than non-CE Marked products.

All Acme transformers are manufactured in a facility certified by Underwriters Laboratories to ISO-9001.

SELECTION CH RTS

GROUP A

120 X 240 PRIMARY VOLTS — 24 SECONDARY VOLTS — 50/60 Hz

CATALOG NO.	VA RATING	EUROPEAN* RATING	APPRO . DIMENSIONS INCHES (CM.) A	B	C	D	E	F	SHIP	APPRO . EIGHT LBS. (K .)
FS-1-50										
FS-1-75										
FS-1-100										
FS-1-150										
FS-1-250										
FS-1-350										
FS-1-500										
FS-1-750										
FS-1-1000	1000	870	4.76 (12.1)	6.75 (17.1)	6.03 (15.3)	5.75 (14.6)	2.86 (7.3)	.31 x .50 (0.8 x 1.3)		26 (11.8)

R G IC (CE01):
CE S I C T
50-750 VA
S P 84

GROUP B

240 X 480, 230 X 460, 220 X 440 PRIMARY VOLTS — 120/115/110 SECONDARY VOLTS — 50/60 Hz

CATALOG NO.	VA RATING	EUROPEAN* RATING	APPRO . DIMENSIONS INCHES (CM.) A	B	C	D	E	F	SHIP	APPRO . EIGHT LBS. (K .)
FS-2-50										
FS-2-75										
FS-2-100										
FS-2-150										
FS-2-250										
FS-2-300										
FS-2-350										
FS-2-500										
FS-2-750										
FS-2-1000	1000	870	4.76 (12.1)	6.75 (17.1)	6.03 (15.3)	5.75 (14.6)	2.86 (7.3)	.31 x .50 (0.8 x 1.3)		26 (11.8)
FS-2-1500	1500	1290	6.01 (15.3)	6.75 (17.1)	6.03 (15.3)	5.75 (14.6)	4.13 (10.5)	.31 x .50 (0.8 x 1.3)		38 (17.2)
FS-2-2000	2000	1680	6.51 (16.5)	6.75 (17.1)	6.03 (15.3)	5.75 (14.6)	4.63 (11.8)	.31 x .50 (0.8 x 1.3)		44 (20.0)
FS-2-3000	3000	2465	7.44 (18.9)	7.50 (19.1)	6.68 (17.0)	6.50 (16.5)	6.47 (16.4)	.41 x .81 (1.0 x 2.1)		60 (27.2)

R G VIC (CE06):
CE S I C T
50-750 VA
S P 85

GROUP C

240/416/480/600; 230/400/460/575; 220/380/440/550; 208/500 PRIMARY VOLTS
99/120/130; 95/115/125; 91/110/120; 85/100/110 SECONDARY VOLTS — 50/60 Hz

CATALOG NO.	VA RATING	EUROPEAN* RATING	APPRO . DIMENSIONS INCHES (CM.) A	B	C	D	E	F	SHIP	APPRO . EIGHT LBS. (K .)
FS-3-50	50	50	2.59 (6.6)	3.75 (9.5)	3.64 (9.2)	3.13 (8.0)	1.70 (4.3)	.22 x .50 (0.6 x 1.3)		5 (2.3)
FS-3-150	150	150	3.31 (8.4)	4.50 (11.4)	4.15 (10.5)	3.75 (9.5)	2.18 (5.5)	.22 x .50 (0.6 x 1.3)		8 (3.6)
FS-3-250	250	250	3.61 (9.2)	4.88 (12.4)	4.46 (11.3)	4.06 (10.3)	2.33 (5.9)	.22 x .50 (0.6 x 1.3)		11 (5.0)
FS-3-350	350	345	4.69 (11.9)	4.88 (12.4)	4.46 (11.3)	4.06 (10.3)	3.48 (8.8)	.22 x .50 (0.6 x 1.3)		17 (7.7)
FS-3-500	500	490	4.39 (11.2)	6.75 (17.1)	6.03 (15.3)	5.75 (14.6)	2.48 (6.3)	.31 x .50 (0.8 x 1.3)		22 (10.0)
FS-3-750	750	720	5.18 (13.2)	6.75 (17.1)	6.03 (15.3)	5.75 (14.6)	3.31 (8.4)	.31 x .50 (0.8 x 1.3)		30 (13.6)
FS-3-1000	1000	870	6.18 (15.7)	6.75 (17.1)	6.03 (15.3)	5.75 (14.6)	4.30 (10.9)	.31 x .50 (0.8 x 1.3)		39 (17.7)
FS-3-1500	1500	1290	6.26 (15.9)	7.50 (19.1)	6.68 (17.0)	6.50 (16.5)	5.26 (13.4)	.41 x .81 (1.0 x 2.1)		51 (23.1)
FS-3-2000	2000	1680	7.76 (19.7)	7.50 (19.1)	7.70 (19.6)	6.50 (16.5)	6.75 (17.1)	.41 x .81 (1.0 x 2.1)		66 (29.9)
FS-3-3000	3000	2465	8.88 (22.6)	11.92 (30.3)	8.83 (22.4)	6.75 (17.1)	5.75 (14.6)	.41 x .81 (1.0 x 2.1)		70 (31.8)

FUSE KITS – FOR FINGER/GUARD® INDUSTRIAL CONTROL TRANSFORMERS

CATALOG NO.	DESCRIPTION
PL-79905	PRIMARY FUSE KIT FOR CLASS CC FUSES
PL-79906	PRIMARY & SECONDARY FUSE KIT FOR CLASS CC PRIMARY FUSES & MIDGET SECONDARY FUSE
PL-79907	PRIMARY FUSE KIT FOR MIDGET FUSES
PL-79908	PRIMARY & SECONDARY FUSE KIT FOR MIDGET FUSES

* EN60742 requires transformers to pass the temperature rise limits of a 130° C (Class B) insulation system at 6% above the rated supply voltage.

CONNECTION DETAILS FOR GROUP C

CONNECT TO LINE FOR RESPECTIVE VOLTAGE				OUTPUT VOLTS		
H1-H2	H1-H3	H1-H4	H1-H5	X1-X2	X1-X3	X1-X4
208	–	–	500	85	100	110
220	380	440	550	91	110	120
230	400	460	575	95	115	125
240	416	480	600	99	120	130

PRIMARY FUSE SIZING CHARTS

RECOMMENDED RATING FOR CURRENT LIMITING CLASS CC FUSES

	120 V	208 V	220 V	230 V	240 V	380 V	400 V	416 V	440 V	460 V	480 V	500 V	550 V	575 V	600 V
50 VA	1.25	0.60	0.60	0.60	0.60	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.25	0.25	0.25
75 VA	1.80	1.00	1.00	0.80	0.80	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.30	0.30
100 VA	2.50	1.40	1.25	1.25	1.25	0.75	0.75	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50
150 VA	3.50	2.00	2.00	1.80	1.80	1.13	1.13	1.00	1.00	0.80	0.80	0.80	0.80	0.75	0.75
250 VA	3.20	3.50	3.20	3.20	3.00	1.80	1.80	1.80	1.60	1.60	1.50	1.50	1.25	1.25	1.25
300 VA	4.00	4.00	4.00	3.50	3.50	2.25	2.25	2.00	2.00	1.80	1.80	1.80	1.60	1.50	1.50
350 VA	4.50	5.00	4.50	4.50	4.00	2.50	2.50	2.50	2.25	2.25	2.00	2.00	1.80	1.80	1.60
500 VA	6.25	4.00	3.50	3.50	3.20	3.50	3.50	3.50	3.20	3.20	3.00	3.00	2.50	2.50	2.50
750 VA	10.00	6.00	5.60	5.00	5.00	5.60	5.60	5.00	5.00	4.50	4.50	4.50	4.00	3.50	3.50
1000 VA	12.00	8.00	7.50	7.00	6.25	4.00	4.00	4.00	3.50	3.50	3.20	3.20	5.00	5.00	5.00
1500 VA	20.00	12.00	10.00	10.00	10.00	6.25	6.25	6.00	5.60	5.00	5.00	5.00	4.50	4.00	4.00
2000 VA	25.00	15.00	12.00	12.00	12.00	8.00	8.00	8.00	7.50	7.00	6.25	6.25	6.00	5.60	5.00
3000 VA	30.00	20.00	20.00	20.00	20.00	12.00	12.00	12.00	10.00	10.00	10.00	10.00	9.00	8.00	8.00

NOTE: Bold lines indicate changes in the percent of rated current used to calculate fuse sizes in accordance with article 450 of the NEC.

RECOMMENDED RATING FOR CARTRIDGE FUSES WITH FERRULE CONTACTS

	120 V	208 V	220 V	230 V	240 V	380 V	400 V	416 V	440 V	460 V	480 V	500 V	550 V	575 V	600 V
50 VA	1.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
75 VA	1.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
100 VA	2.00	1.00	1.00	1.00	1.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150 VA	2.00	1.00	1.00	1.00	1.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
250 VA	4.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
300 VA	4.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
350 VA	4.00	4.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
500 VA	6.00	4.00	4.00	4.00	4.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
750 VA	8.00	6.00	6.00	6.00	4.00	4.00	4.00	4.00	4.00	4.00	2.00	2.00	2.00	2.00	2.00
1000 VA	12.00	6.00	6.00	6.00	6.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
1500 VA	16.00	10.00	10.00	10.00	8.00	6.00	6.00	6.00	6.00	6.00	4.00	4.00	4.00	4.00	4.00
2000 VA	25.00	12.00	12.00	12.00	12.00	8.00	8.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
3000 VA	32.00	20.00	20.00	20.00	16.00	10.00	10.00	10.00	10.00	10.00	8.00	8.00	8.00	8.00	8.00

SECONDARY FUSE SIZING CHARTS

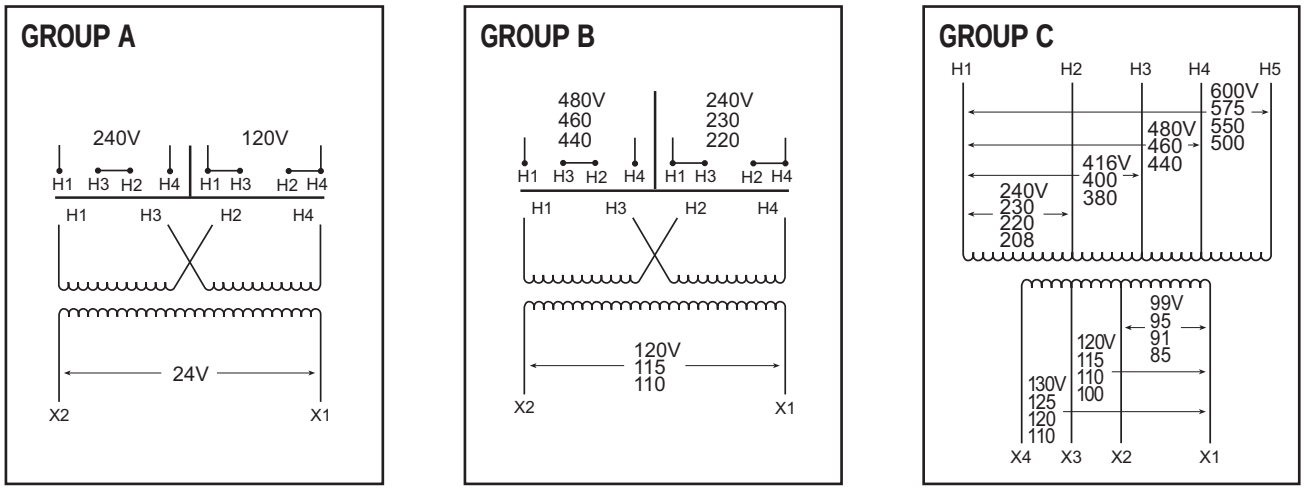
RECOMMENDED RATING FOR CURRENT LIMITING MIDGET FUSES

	24 V	85 V	91 V	95 V	99 V	100 V	110 V	115 V	120 V	125 V	130 V
50 VA	2.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.25
75 VA	3.00	–	–	–	–	–	0.75	0.75	0.75	–	–
100 VA	5.00	–	–	–	–	–	1.00	1.00	1.00	–	–
150 VA	6.00	2.00	2.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.00
250 VA	12.00	3.00	3.00	3.00	3.00	3.00	2.00	2.00	2.00	2.00	2.00
300 VA	–	–	–	–	–	–	3.00	3.00	3.00	–	–
350 VA	15.00	5.00	4.00	4.00	4.00	4.00	3.00	3.00	3.00	3.00	3.00
500 VA	25.00	6.00	6.00	6.00	6.00	6.00	5.00	5.00	5.00	5.00	4.00
750 VA	35.00	10.00	10.00	8.00	8.00	8.00	8.00	8.00	6.00	6.00	6.00
1000 VA	50.00	12.00	12.00	12.00	12.00	12.00	10.00	10.00	10.00	10.00	8.00
1500 VA	–	20.00	20.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	12.00
2000 VA	–	25.00	25.00	25.00	25.00	25.00	20.00	20.00	20.00	20.00	15.00
3000 VA	–	40.00	40.00	35.00	35.00	35.00	30.00	30.00	30.00	30.00	25.00

RECOMMENDED RATING FOR CARTRIDGE FUSES WITH FERRULE CONTACTS

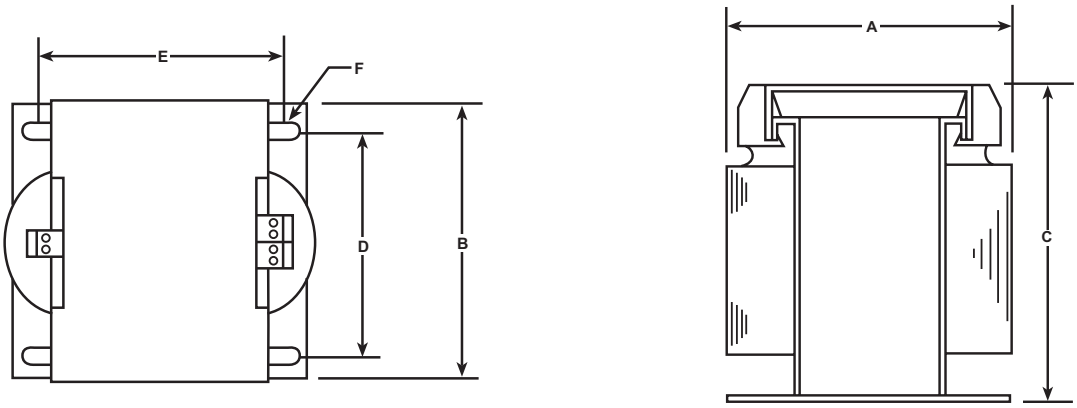
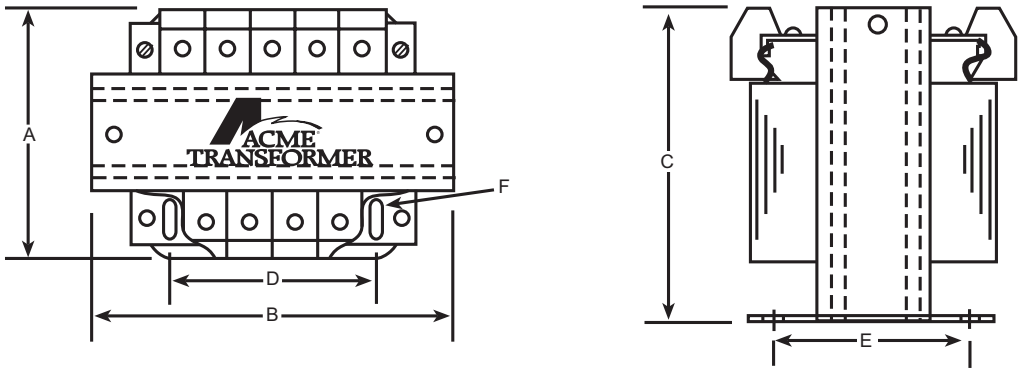
	24 V	85 V	91 V	95 V	99 V	100 V	110 V	115 V	120 V	125 V	130 V
50 VA	4.00	1.00	1.00	1.00	1.00	1.00	0.50	0.50	0.50	0.50	0.50
75 VA	4.00	–	–	–	–	–	1.00	1.00	1.00	–	–
100 VA	6.00	–	–	–	–	–	1.00	1.00	1.00	–	–
150 VA	8.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
250 VA	12.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.00
300 VA	–	–	–	–	–	–	4.00	4.00	4.00	–	–
350 VA	16.00	6.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
500 VA	25.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	4.00
750 VA	32.00	10.00	10.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	6.00
1000 VA	50.00	12.00	12.00	12.00	12.00	12.00	10.00	10.00	10.00	10.00	8.00
1500 VA	–	20.00	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	12.00
2000 VA	–	25.00	25.00	25.00	25.00	25.00	20.00	20.00	20.00	20.00	16.00
3000 VA	–	40.00	40.00	32.00	32.00	32.00	32.00	32.00	32.00	25.00	25.00

FINGER/GUARD® Wiring Diagrams



FINGER/GUARD® Dimensional Drawings

50 VA T 2 KVA



3 KVA