

CE SERIES INDUSTRIAL CONTROL TRANSFORMERS FOR GLOBAL APPLICATIONS

The Acme Electric 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 CE Series Transformers from Acme Electric are the ideal solution for your industrial control applications. Acme's CE Series Encapsulated Industrial Control Transformers carry the CE mark, indicating it complies with the requirements established by the International Electro technical 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 2006/95/EC and Electromagnetic Compatibility (EMC) Directive 2004/108/EC

Cooler. Cleaner. More Compact.

The CE Series design improves the dissipation of the heat away from the core and coil assembly providing cooler operation. In addition, the CE Series industrial control transformers seal the transformer's windings and internal terminations within an 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.

Features

- 50 -5000 VA, 50/60 Hz
- 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
- UL and cUL Listed
- **Twenty-year limited Warranty**



CE SERIES

Group M

120 X 240 PRIMARY VOLTS -24 SECONDARY VOLTS - 1Ø 50/60 HZ

VA Rating	Catalog Number	Dimensions (inches)						Weight (lb)	Wiring Diag.
		A	B	C	D	E	F		
50	CE50N002	3.32	3.00	2.79	2.00	2.50	.20X.41	2.6	2
75	CE75N002	3.82	3.00	2.79	2.50	2.50	.20X.41	3.5	2
100	CE100N002	3.78	3.38	3.11	2.38	2.81	.20X.41	4.2	2
150	CE150N002	4.27	3.75	3.42	2.88	3.13	.20X.41	6.7	2
250	CE250N002	4.55	4.50	4.04	2.88	3.75	.20X.41	10.0	2
350	CE350N002	5.28	4.50	4.04	3.75	3.75	.20X.41	13.6	2
500	CE500N002	5.75	5.25	4.66	4.25	4.38	.31X1.1	19.2	2
750	CE750N002	7.00	5.25	4.66	5.38	4.38	.31X1.1	28.1	2
1000	CE1000N002	6.61	7.00	5.65	4.00	6.13	.31x1.1	29.8	2

Group N

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

VA Rating	Catalog Number	Dimensions (inches)						Weight (lb)	Wiring Diag.
		A	B	C	D	E	F		
50	CE50N004	3.73	3.00	2.79	2.50	2.50	.20X.41	3.5	4
75	CE75N004	3.69	3.38	3.11	2.38	2.81	.20X.41	4.2	4
100	CE100N004	4.17	3.75	3.42	2.88	3.13	.20X.41	6.7	4
150	CE150N004	4.17	3.75	3.42	2.88	3.13	.20X.41	6.7	4
200	CE200N004	4.47	4.50	4.04	2.88	3.75	.20X.41	10.0	4
250	CE250N004	5.19	4.50	4.04	3.75	3.75	.20X.41	13.6	4
300	CE300N004	5.19	4.50	4.04	3.75	3.75	.20X.41	13.6	4
350	CE350N004	5.17	5.25	4.66	4.25	4.38	.31x1.1	19.2	4
500	CE500N004	6.42	5.25	4.66	5.38	4.38	.31x1.1	28.1	4
750	CE750N004	7.23	7.00	5.65	4.00	6.13	.31x1.1	30.0	4
1000	CE1000N004	7.98	7.00	5.43	5.13	6.13	.31x1.1	38.0	4

Group O

208,230,460 PRIMARY VOLTS -115 SECONDARY VOLTS - 1Ø 50/60 HZ

VA Rating	Catalog Number	Dimensions (inches)(cm)						Weight (lb)	Wiring Diag.
		A	B	C	D	E	F		
50	CE50N005	3.23	3.00	2.79	2.00	2.50	.20X.41	2.6	5
75	CE75N005	3.73	3.00	2.79	2.50	2.50	.20X.41	3.5	5
100	CE100N005	3.69	3.38	3.11	2.38	2.81	.20X.41	4.2	5
150	CE150N005	4.17	3.75	3.42	2.88	3.13	.20X.41	6.7	5
200	CE200N005	3.96	4.50	4.04	2.88	3.75	.20X.41	8.5	5
250	CE250N005	4.47	4.50	4.04	3.25	3.75	.20X.41	10.0	5
300	CE300N005	4.47	4.50	4.04	3.25	3.75	.20X.41	11.3	5
350	CE350N005	5.19	4.50	4.04	3.75	3.75	.20X.41	13.6	5
500	CE500N005	5.17	5.25	4.66	4.75	4.38	.31x1.1	19.2	5
750	CE750N005	6.42	5.25	4.66	5.38	4.38	.31x1.1	28.1	5
1000	CE1000N005	6.21	7.00	5.65	4.00	6.13	.31x1.1	29.8	5
1500	CE1500N005	7.23	7.00	5.65	4.50	6.13	.31x1.1	30.0	5
2000	CE2000N005	7.98	7.00	5.43	5.13	6.13	.31x1.1	38.0	5
3000	CE3000N005	7.50	9.00	7.62	4.25	6.50	.44x1.0	53.0	5
5000	CE5000N005	9.00	9.00	7.62	7.25	7.50	.44x1.0	89.0	5

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Group P

208, 277 PRIMARY VOLTS — 120 SECONDARY VOLTS — 1Ø 50/60 Hz

VA Rating	Catalog Number	Dimensions (inches)						Weight (lb)	Wiring Diag.
		A	B	C	D	E	F		
50	CE50N006	3.23	3.00	2.79	2.00	2.50	.20X.41	2.6	6
75	CE75N006	3.73	3.00	2.79	2.50	2.50	.20X.41	3.5	6
100	CE100N006	3.69	3.38	3.11	2.38	2.81	.20X.41	4.2	6
150	CE150N006	4.17	3.75	3.42	2.88	3.13	.20X.41	6.7	6
250	CE250N006	4.47	4.50	4.04	2.88	3.75	.20X.41	10.0	6
350	CE350N006	5.19	4.50	4.04	3.75	3.75	.20X.41	13.6	6
500	CE500N006	5.17	5.25	4.66	4.25	4.38	.31x1.1	19.2	6
750	CE750N006	6.42	5.25	4.66	5.38	4.38	.31x1.1	28.1	6

Group Q

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

VA Rating	Catalog Number	Dimensions (inches)(cm)						Weight (lb)	Wiring Diag.
		A	B	C	D	E	F		
250	CE250N007	5.08	4.50	4.64	3.75	3.75	.20X.41	13.6	7
350	CE350N007	6.42	5.25	4.66	5.38	4.38	.31x1.1	28.1	7
500	CE500N007	7.75	5.25	4.67	6.13	4.38	.31x1.1	28.1	7
750	CE750N007	6.21	6.38	5.65	4.00	6.13	.31x1.1	29.8	7
1000	CE1000N007	7.62	7.00	5.65	4.50	6.13	.31x1.1	30	7
1500	CE1500N007	8.37	7.00	5.43	5.13	6.13	.31x1.1	38	7
2000	CE2000N007	7.82	9.00	7.62	4.25	6.50	.44x1.0	53	7
3000	CE3000N007	9.06	9.00	7.62	7.25	7.50	.44x1.0	89	7



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Group R

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

VA Rating	Catalog Number	Dimensions (inches)(cm)						Weight (lb)	Wiring Diag.
		A	B	C	D	E	F		
350	CE350N008	5.28	4.50	4.04	3.75	3.75	.20X.41	13.6	8
500	CE500N008	5.75	5.25	4.66	4.25	4.38	.31x1.1	19.2	8
750	CE750N008	7.00	5.25	4.66	5.38	4.38	.31x1.1	28.1	8
1000	CE1000N008	6.61	7.00	5.65	4.00	6.13	.31x1.1	29.8	8
1500	CE1500N008	7.62	7.00	5.65	4.50	6.13	.31x1.1	30.0	8
2000	CE2000N008	8.37	7.00	5.43	5.13	6.13	.31x1.1	38.0	8
3000	CE3000N008	7.82	9.00	7.62	4.25	6.50	.44x1.0	53.0	8
5000	CE5000N008	9.06	9.00	7.62	7.25	7.50	.44x1.0	89.0	8

Group S

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

VA Rating	Catalog Number	Dimensions (inches)						Weight (lb)	Wiring Diag.
		A	B	C	D	E	F		
1000	CE1000N011	6.21	7.00	5.65	4.00	6.13	.31x1.1	29.8	11
1500	CE1500N011	7.98	7.00	5.43	5.13	6.13	.31x1.1	38.0	11
2000	CE2000N011	7.98	7.00	5.43	5.13	6.13	.44x1.0	38.0	11
3000	CE3000N011	9.00	9.00	7.62	7.25	7.50	.44x1.0	89.0	11

Group T

240, 347, 380 PRIMARY VOLTS — 120 X 240 SECONDARY VOLTS — 1Ø 50/60 Hz

VA Rating	Catalog Number	Dimensions (inches)						Weight (lb)	Wiring Diag.
		A	B	C	D	E	F		
1000	CE1000N012	6.23	7.00	5.65	4.00	6.13	.31x1.1	29.8	12
1500	CE1500N012	7.23	7.00	5.65	4.50	6.13	.31x1.1	30.0	12
2000	CE2000N012	7.98	7.00	5.65	5.13	6.13	.31x1.1	38.0	12
3000	CE3000N012	7.82	9.00	7.62	4.25	6.50	.44x1.0	53.0	12
5000	CE5000N012	8.81	9.00	7.62	7.25	7.50	.44x1.0	89.0	12

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Group U

240 X 480 PRIMARY VOLTS — 24 SECONDARY VOLTS — 1Ø 50/60 Hz

VA Rating	Catalog Number	Dimensions (inches)						Weight (lb)	Wiring Diag.
		A	B	C	D	E	F		
50	CE50N013	3.32	3.00	2.79	2.00	2.50	.20X.41	2.6	13
75	CE75N013	3.82	3.00	2.79	2.50	2.50	.20X.41	3.5	13
100	CE100N013	3.78	3.38	3.11	2.38	2.81	.20X.41	4.2	13
150	CE150N013	4.27	3.75	3.42	2.88	3.13	.20X.41	6.7	13
250	CE250N013	4.55	4.50	4.04	2.88	3.75	.20X.41	10.0	13
350	CE350N013	5.28	4.50	4.04	3.75	3.75	.20X.41	13.6	13
500	CE500N013	5.75	5.25	4.66	4.25	4.38	.31x1.1	19.2	13
750	CE750N013	7.00	5.25	4.66	5.38	4.38	.31x1.1	28.1	13
1000	CE1000N013	6.61	7.00	5.65	4.00	6.13	.31x1.1	29.8	13

Group V

240 X 480 PRIMARY VOLTS — 120 X 240 SECONDARY VOLTS — 1Ø 50/60 Hz

VA Rating	Catalog Number	Dimensions (inches)						Weight (lb)	Wiring Diag.
		A	B	C	D	E	F		
50	CE50N014	3.41	3.00	2.79	2.00	2.50	.20X.41	2.6	14
75	CE75N014	3.91	3.00	2.79	2.50	2.50	.20X.41	3.5	14
100	CE100N014	3.86	3.38	3.10	2.38	2.81	.20X.41	4.2	14
150	CE150N014	4.36	3.75	3.41	2.88	3.13	.20X.41	6.7	14
200	CE200N014	4.14	4.50	4.04	2.50	3.75	.20X.41	8.5	14
250	CE250N014	4.64	4.50	4.04	2.88	3.75	.20X.41	10.0	14
300	CE300N014	4.64	4.50	4.04	3.25	3.75	.20X.41	11.3	14
350	CE350N014	5.37	4.50	4.04	3.75	3.75	.20X.41	13.6	14
500	CE500N014	5.75	5.25	4.66	4.25	4.38	.31x1.1	19.2	14
750	CE750N014	6.74	5.25	4.66	5.38	4.38	.31x1.1	28.1	14
1000	CE1000N014	7.01	7.00	5.65	5.38	4.38	.31x1.1	29.8	14
1500	CE1500N014	8.00	7.00	5.65	4.50	6.13	.31x1.1	30.0	14
2000	CE2000N014	8.76	7.00	5.65	5.13	6.13	.31x1.1	38.0	14
3000	CE3000N014	8.14	9.00	7.62	4.25	6.50	.44x1.0	53.0	14
5000	CE5000N014	9.14	9.00	7.62	7.25	7.50	.44x1.0	89.0	14



ACME ICT TRANSFORMERS

Group W

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

VA Rating	Catalog Number	Dimensions (inches)						Weight (lb)	Wiring Diag.
		A	B	C	D	E	F		
50	CE50N016	3.32	3.00	2.79	2.00	2.50	.20X.41	2.6	16
75	CE75N016	3.82	3.00	2.79	2.50	2.50	.20X.41	3.5	16
100	CE100N016	3.78	3.38	3.11	2.38	2.81	.20X.41	4.2	16
150	CE150N016	4.27	3.75	3.42	2.88	3.13	.20X.41	6.7	16
200	CE200N016	4.05	4.50	4.04	2.50	3.75	.20X.41	8.5	16
250	CE250N016	4.55	4.50	4.04	2.88	3.75	.20X.41	10	16
300	CE300N016	4.55	4.50	4.04	3.25	3.75	.20X.41	11.3	16
350	CE350N016	5.28	4.50	4.04	3.75	3.75	.20X.41	13.6	16
500	CE500N016	5.75	5.25	4.66	4.25	4.38	.31x1.1	19.2	16
750	CE750N016	7.00	5.25	4.66	5.38	4.38	.31x1.1	28.1	16

Group X

550/575/600 PRIMARY VOLTS — 110/115/120 SECONDARY VOLTS — 1Ø 50/60 Hz

VA Rating	Catalog Number	Dimensions (inches)						Weight (lb)	Wiring Diag.
		A	B	C	D	E	F		
50	CE50N017	3.23	3.00	2.79	2.00	2.50	.20X.41	2.6	17
75	CE75N017	3.73	3.00	2.79	2.50	2.50	.20X.41	3.5	17
100	CE100N017	3.69	3.38	3.11	2.38	2.81	.20X.41	4.2	17
150	CE150N017	4.17	3.75	3.42	2.88	3.13	.20X.41	6.7	17
250	CE250N017	4.47	4.50	4.04	2.88	3.75	.20X.41	10.0	17
350	CE350N017	5.19	4.50	4.04	3.75	3.75	.20X.41	13.6	17
500	CE500N017	5.17	5.25	4.66	4.25	4.38	.31x1.1	19.2	17
750	CE750N017	6.42	5.25	4.66	5.38	4.38	.31x1.1	28.1	17
1000	CE1000N017	6.23	7.00	5.65	4.00	6.13	.31x1.1	29.8	17

INTEGRALLY MOUNTED FUSE BLOCKS

Add Suffix to Catalog Number	Description
F1	Single Pole Secondary Fuse Block (Midget Fuse)
F2	Factory Installed 2 Pole Primary Fuse Block (Class CC Fuses)
F3	Factory Installed 3 Pole Primary & Secondary Fuse Block
F4	Factory Installed Primary Fuse Block & Secondary Fuse Clips

Consult Technical Service for available models

FUSE KITS & ACCESSORIES

Catalog Number	Description
PL112807	Secondary Fuse Clip
PL112808	Single Pole Secondary Fuse Block
PL112809	Dual Pole Primary Fuse Block
PL112810	Dual Pole Pri and Sec Fuse Blocks
PL112811	Dual Pole Pri Block with Sec. Fuse Clip
PL112812	Primary Fuse Cover with Puller
PL112814	Sec Fuse Cover - For Sec Fuse Clip

