

Type MTE Transformer



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Type MTE

Product Description

Note: The following pages provide listings for most standard transformer ratings and styles. For other ratings or styles not shown, or for special enclosure types (including stainless steel), refer to Eaton.

- Epoxy-encapsulated coils

Application Description

Transformers provide stepped-down voltages to machine tool control devices, enabling control circuits to be isolated from all power and lighting circuits. This allows the use of grounded or ungrounded circuits that are independent of the power or lighting grounds; thus, greater safety is afforded the operator. The control transformer line is particularly adaptable on applications where compact construction is demanded.

Note: The MTG “open core-coil design” has been superseded by the epoxy-encapsulated core-coil design MTE with no change to dimensions or functionality.

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Features, Benefits and Functions

- Epoxy encapsulated
- Laminations of high-quality silicon steel to minimize core losses and optimize performance
- Copper magnet wire for high-quality, efficient operation
- Secondary fuse clips where applicable
- Optional primary fusing
- Molded in terminals
- 50/60 Hz operation
- 130°C insulation system standard
- Performance meets/exceeds requirements of ANSI/NEMA ST-1
- Regulation exceeds ANSI/NEMA requirements for all ratings
- 25–1500 VA ratings
- Molded-in terminals for maximum durability

Standards and Certifications

- UL listed
- cUL listed
- RoHS compliant



Industry Standards

All Eaton dry-type distribution and control transformers are built and tested in accordance with applicable NEMA, ANSI and IEEE Standards. All 600 volt class transformers are UL listed unless otherwise noted.

Catalog Number Selection

Please refer to **Page V7-T7-3**.

Primary: 120 x 240 with Jumpers and Two-Pole Primary Fuse Block for Rejection-Type Fuses
Secondary: 24 with Fuse Clips for 13/32 x 1-1/2 Fuses

VA	Wiring Diagram ①	Weight Lbs (kg)	Style Number
50	3	2.8 (1.3)	C0050E1BFB ②
75	3	3.8 (1.7)	C0075E1BFB ②
100	3	4.6 (2.1)	C0100E1BFB ②
150	3	6.9 (3.1)	C0150E1BFB
200	3	8.5 (3.9)	C0200E1BFB
250	3	10.3 (4.7)	C0250E1BFB
300	3	11.4 (5.2)	C0300E1BFB
350	3	13.4 (6.1)	C0350E1BFB
500	3	17.7 (8.0)	C0500E1BFB

Primary: 208/277 with Two-Pole Primary Fuse Block for Rejection-Type Fuses
Secondary: 120 with Fuse Clips for 13/32 x 1-1/2 Fuses

VA	Wiring Diagram ①	Weight Lbs (kg)	Style Number
50	4	3.1 (1.4)	C0050E3AFB ②
75	4	4.0 (1.8)	C0075E3AFB ②
100	4	4.7 (2.1)	C0100E3AFB ②
150	4	7.1 (3.2)	C0150E3AFB
200	4	8.9 (4.0)	C0200E3AFB
250	4	10.4 (4.7)	C0250E3AFB
300	4	11.6 (5.3)	C0300E3AFB
350	4	13.9 (6.3)	C0350E3AFB
500	4	17.4 (7.9)	C0500E3AFB

Primary: 550/575/600 with Two-Pole Primary Fuse Block for Rejection-Type Fuses
Secondary: 110/115/120 with Fuse Clips for 13/32 x 1-1/2 Fuses

VA	Wiring Diagram ①	Weight Lbs (kg)	Style Number
50	10	2.9 (1.3)	C0050E4CFB ②
75	10	3.8 (1.7)	C0075E4CFB ②
100	10	4.4 (2.0)	C0100E4CFB ②
150	10	7.0 (3.2)	C0150E4CFB
200	10	8.6 (3.9)	C0200E4CFB
250	10	10.2 (4.6)	C0250E4CFB
300	10	11.5 (5.2)	C0300E4CFB
350	10	13.8 (6.3)	C0350E4CFB
500	10	17.0 (7.7)	C0500E4CFB
750	10	25.9 (11.8)	C0750E4CFB

Primary: 380/400/415 with Two-Pole Primary Fuse Block for Rejection-Type Fuses
Secondary: 22/23/24 with Fuse Clips for 13/32 x 1-1/2 Fuses

VA	Wiring Diagram ①	Weight Lbs (kg)	Style Number
50	13	2.6 (1.2)	C0050E4HFB ②
75	13	3.7 (1.7)	C0075E4HFB ②
100	13	4.2 (1.9)	C0100E4HFB ②
150	13	6.7 (3.0)	C0150E4HFB
200	13	8.4 (3.8)	C0200E4HFB
250	13	10.2 (4.6)	C0250E4HFB

Primary: 550/575/600 with Two-Pole Primary Fuse Block for Rejection-Type Fuses
Secondary: 22/23/24 with Fuse Clips for 13/32 x 11/2 Fuses

VA	Wiring Diagram ①	Weight Lbs (kg)	Style Number
50	12	2.7 (1.2)	C0050E4WFB ②
75	12	3.7 (1.7)	C0075E4WFB ②
100	12	4.2 (1.9)	C0100E4WFB ②
150	12	6.7 (3.0)	C0150E4WFB
200	12	8.4 (3.8)	C0200E4WFB
250	12	10.2 (4.6)	C0250E4WFB

Primary: 230/460/575 with Two-Pole Primary Fuse Block for Rejection-Type Fuses
Secondary: 115/95 with Fuse Clips for 13/32 x 1-1/2 Fuses

VA	Wiring Diagram ①	Weight Lbs (kg)	Style Number
50	5	3.7 (1.7)	C0050E3CFB ②
75	5	4.7 (2.1)	C0075E3CFB ②
100	5	6.2 (2.8)	C0100E3CFB ②
150	5	7.9 (3.6)	C0150E3CFB
200	5	9.2 (4.2)	C0200E3CFB
250	5	9.9 (4.5)	C0250E3CFB
300	5	11.9 (5.4)	C0300E3CFB
350	5	16.7 (7.6)	C0350E3CFB
500	5	21.7 (9.9)	C0500E3CFB

Notes

① See Page V7-T7-11 for wiring diagrams.

② 105°C insulation system.