



Technical Characteristics

| | |
|--------------------------|--|
| Application | Specifically designed to handle high inrush associated with contactors and relays for applications such as conveyor systems, paint lines, punch presses or overhead cranes |
| Approvals | UL Listed File Number: E61239 - CSA Certified File Number: LR37055 Guide: 184-N-90 - CE Marked |
| Depth | 3.59 Inches |
| Height | 3.20 Inches |
| Catalog Reference Number | 9070CT9901 |
| Width | 3.75 Inches |
| Winding Material | Copper |
| Temperature Rise | 80 Degrees C |
| Type | T |
| Primary | 240x480V or 230x460V or 220x440V |
| Phase | 1-Phase |
| Secondary | 120V or 115V or 110V |
| Mounting Type | Panel |
| Enclosure Type | Open |
| Rating | 200VA |
| Terminal Type | Screw Clamp |
| Insulation Temperature | 130 Degrees C |

Shipping and Ordering

| | |
|-------------------|---|
| Category | 16200 - Transformers, Industrial Control, 50 - 200 va, Type T |
| Discount Schedule | CP8 |
| Article Number | 785901904663 |
| Package Quantity | 1 |
| Weight | 5.6 lbs. |
| Availability Code | S |
| Returnability | Y |

As standar□

PRODUCT DESCRIPTION

Control power transformers from Schneider Electric set the industry standard for design innovation and performance. They are designed with low impedance windings for excellent voltage regulation, and can accommodate the high inrush current associated with contactors, starters, solenoids, and relays.

A variety of designs are available to meet the diverse needs of panel builders and machinery OEMs. The versatility of our control transformer line offers unparalleled options for design engineers. We also have one of the most extensive offerings of custom products with no minimum order requirements.

We have a national network of distributors to ensure prompt delivery, including industry leading delivery on custom products. In most cases, we can design, manufacture, and ship a custom unit in two weeks or less.

The Global Product Offering—Type T

Type T is our most popular and complete line of control transformers. It comes with unmatched design innovations for top performance and is manufactured using the most advanced insulating materials. The Type T control transformer is the best choice if size and cost are of concern.

The Exceptional Regulation Offering —Type EO

Constructed with traditional materials and manufacturing processes, Type EO transformers are UL and CSA Component Recognized. Units are designed for 55°C rise. All units are 60HZ rated, with de-rated VA levels for 50HZ.

Transformers with Fuse Block Protection—Types TF and EOF

We offer both product lines with factory installed overcurrent protection fuse blocks.

Type TF and EOF transformers consist of two primary fuse blocks and one secondary fuse block, a configuration that meets the majority of overcurrent needs by panel builders and machinery OEMs. Since the fuse blocks are pre-wired and mounted on top of the transformer, the Type TF and EOF transformers have the same footprint as the Type T and Type EO units, respectively. This design frees up space normally used for separate fuse blocks.

We also have an extensive fuse block offering for custom applications. See the overcurrent section of this catalog for full details.

Leaded Control Transformer Line

Schneider Electric offers transformers with internally pre-wired 24-inch primary and secondary leads, instead of terminal boards, to make installation easier and faster for many applications. These are only available for single voltage primary and single voltage secondary applications.

MultiTap

Schneider Electric offers Type T and Type EO transformers in the MultiTap version. The MultiTap control transformer was designed to respond to the increased need for voltage and stock flexibility. It combines multiple primary voltages with one or more secondary voltages, all in a single transformer.

The most flexible MultiTap voltage is the Universal, available on the Type T product line only. It allows for standard primary voltages of 208 to 600V and 110, 115, or 120V secondary voltages.

Industrial Control Transformers

Type T Transformers

Type T VA Ratings

| UL, cUL, CSA and NOM VA Rating | CE VA Rating |
|--------------------------------|--------------|
| 25 | 25 |
| 50 | 50 |
| 75 | 75 |
| 100 | 100 |
| 150 | 150 |
| 200 | 200 |
| 250 | 160 |
| 300 | 200 |
| 350 | 250 |
| 500 | 300 |
| 750 | 500 |
| 1000 | 630 |
| 1500 | 1000 |
| 2000 | 1500 |
| 3000 | 2000 |
| 5000 | 3000 |

Type T Listings

| Listing | File | VA Range |
|---------|---|-----------|
| UL | E61239, Guide XPTQ2 | 25–5000 |
| cUL | E61239 | 1500–5000 |
| CSA | LR37055, Guide 184-N-90 | 25–1000 |
| EN | 947923, EN 61 558/01.89 (TUV ref: 00941-RAG/sg E9371495E01) | 25–200 |
| | 9579078, EN 61 558/01.89 (TUV ref: 00941-RAG/sg E9471921E01) | 250–1000 |
| | 9579078, EN 61 558/01.89 (TUV ref: 00941-RAG/sg E9471921.02E01) | 1500–3000 |

TYPE T TRANSFORMERS

The Type T units are designed for the global market and are the best choice when size and cost are of concern. This is our most popular and complete offering of industrial control transformers. The following features are included:

- 50/60 Hz rated
- Customer installed accessories (Finger-Safe covers, fuse blocks, fuse clips)
- Type T transformers are designed with various temperature classes:
 - 25–150 VA with a 55° C temperature rise, 105° C insulation
 - 200–350 VA with a 80° C temperature rise, 130° C insulation
 - 500–5000 VA with a 115° C temperature rise, 180° C insulation

Schneider Electric manufactures a wide variety of voltage combinations for control transformers. The voltage combinations are expressed as “Voltage Codes”, and are embedded within the catalog number of the transformer. Standard codes are listed. If the voltage combination you need is not listed, please call your Schneider Electric distributor for assistance.

CE Marking

Industrial control transformers (ICTs) entering the European Union (EU) after January 1, 1997 are required by EU standards to have CE marking or Declaration of Conformity to CE. EU documentation requires compliance with specification EN 61 558 of the Low Voltage Directive. Type T ICTs from Schneider Electric comply with this specification and are third party tested to TÜV standards, which adhere to, and are accepted by, EU standards. A Declaration of Conformity for all Type T units is available upon request.

Because of different overload criteria in the CE specification, Schneider Electric dual rates these transformers for UL VA, cUL VA, CSA VA, NOM VA and CE VA ratings (see “Type T VA Ratings” table). Because they are widely used with control circuit panels, ICTs are also required to comply with EN 60 204 and EN 61 558 in these applications. The Type T transformer line complies with EN 60 204 when Fingersafe® covers are installed.

For more information regarding CE marking, please contact your local Schneider Electric field sales office.



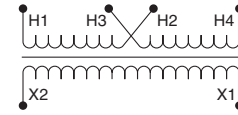
Industrial Control Transformers

Type T Transformers

120 Volt Control Secondary

Voltage and Connection Options

| Voltage Code | Voltages | | Connections | |
|--------------|-------------------------------------|-------------------|---|----------------------|
| | Primary | Secondary | Primary | Secondary |
| D1 | 220 x 440 230 x 460 240 x 480 | 110 115 120 | 220/230/240 V: Connect to H1 and H4 Jumper H1 with H3 Jumper H2 with H4 440/460/480 V: Connect to H1 and H4 Jumper H2 with H3 | Connect to X1 and X2 |



Dimensions

| VA | | Catalog Number | Figure | Acc. Key | A | | B | | C | | E | | F | | Slots | |
|------|------|----------------|--------|----------|------|-----|------|-----|------|-----|------|-----|------|-----|-------------|---------|
| UL | CE | | | | IN | mm | IN | mm | IN | mm | IN | mm | IN | mm | IN | mm |
| 25 | 25 | 9070T25D1 | 1 | I | 3.09 | 79 | 3.00 | 76 | 2.58 | 66 | 2.00 | 51 | 2.50 | 64 | 0.20 x 0.38 | 5 x 10 |
| 50 | 50 | 9070T50D1 | 1 | I | 3.09 | 79 | 3.00 | 76 | 2.58 | 66 | 2.00 | 51 | 2.50 | 64 | 0.20 x 0.38 | 5 x 10 |
| 75 | 75 | 9070T75D1 | 1 | I | 3.34 | 85 | 3.38 | 86 | 2.89 | 73 | 2.38 | 61 | 2.81 | 71 | 0.20 x 0.48 | 5 x 12 |
| 100 | 100 | 9070T100D1 | 1 | I | 3.34 | 85 | 3.38 | 86 | 2.89 | 73 | 2.38 | 61 | 2.81 | 71 | 0.20 x 0.48 | 5 x 12 |
| 150 | 150 | 9070T150D1 | 1 | I | 3.59 | 91 | 3.75 | 95 | 3.20 | 81 | 2.88 | 73 | 3.13 | 80 | 0.20 x 0.38 | 5 x 10 |
| 200 | 200 | 9070T200D1 | 1 | I | 3.59 | 91 | 3.75 | 95 | 3.20 | 81 | 2.88 | 73 | 3.13 | 80 | 0.20 x 0.38 | 5 x 10 |
| 250 | 160 | 9070T250D1 | 2 | I | 5.30 | 135 | 3.75 | 95 | 3.21 | 82 | 2.88 | 73 | 3.13 | 80 | 0.20 x 0.38 | 5 x 10 |
| 300 | 200 | 9070T300D1 | 2 | I | 4.74 | 120 | 4.50 | 114 | 3.84 | 98 | 2.56 | 65 | 3.75 | 95 | 0.20 x 0.38 | 5 x 10 |
| 350 | 250 | 9070T350D1 | 2 | I | 5.11 | 130 | 4.50 | 114 | 3.84 | 98 | 3.00 | 76 | 3.75 | 95 | 0.20 x 0.38 | 5 x 10 |
| 500 | 300 | 9070T500D1 | 2 | I | 5.49 | 139 | 4.50 | 114 | 3.84 | 98 | 3.56 | 90 | 3.75 | 95 | 0.20 x 0.38 | 5 x 10 |
| 750 | 500 | 9070T750D1 | 2 | I | 5.61 | 143 | 5.25 | 133 | 4.51 | 115 | 3.43 | 87 | 4.38 | 111 | 0.28 x 0.56 | 7 x 14 |
| 1000 | 630 | 9070T1000D1 | 2 | I | 6.30 | 160 | 5.25 | 133 | 4.51 | 115 | 4.31 | 109 | 4.38 | 111 | 0.28 x 0.56 | 7 x 14 |
| 1500 | 1000 | 9070T1500D1 | 2 | I | 5.92 | 150 | 7.06 | 179 | 6.17 | 157 | 4.13 | 105 | 5.81 | 148 | 0.28 x 0.56 | 7 x 14 |
| 2000 | 1500 | 9070T2000D1 | 2 | I | 7.17 | 182 | 7.06 | 179 | 6.17 | 157 | 4.56 | 116 | 5.81 | 148 | 0.28 x 0.56 | 7 x 14 |
| 3000 | 2000 | 9070T3000D1 | 3 | I | 7.24 | 184 | 9.00 | 229 | 8.75 | 222 | 4.63 | 118 | 7.63 | 194 | 0.44 x 1.13 | 11 x 29 |
| 5000 | 3000 | 9070T5000D1 | 3 | I | 9.15 | 232 | 9.00 | 229 | 8.75 | 222 | 6.56 | 167 | 7.63 | 194 | 0.44 x 1.13 | 11 x 29 |

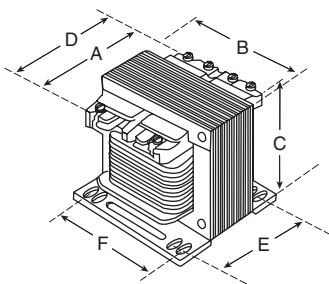


Figure 1

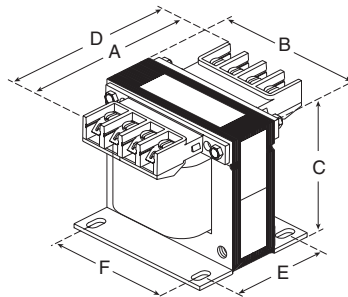


Figure 2

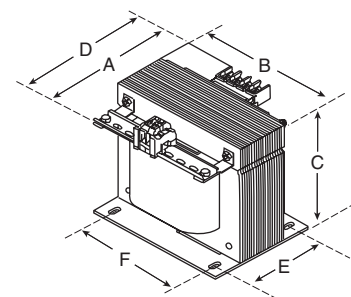


Figure 3

