

Dry-type distribution transformers
Line card

Space-saving and energy-efficient safety solutions for commercial and industrial applications



EATON

Powering Business Worldwide



Ventilated transformers

DOE 2016 efficient general-purpose single- and three-phase transformers for commercial, industrial and lighting applications. Standard 150 °C temperature rise, 220 °C insulation system, available in NEMA® 2 and NEMA 3R (with weather shields) enclosures.



Motor drive isolation transformers

Ventilated transformers designed for use with AC and DC adjustable speed drives. Specifically sized to the drive kVA requirements and braced to withstand the mechanical stresses of current reversals and short circuits associated with SCR drives.



Nonlinear K-factor transformers

Specially designed ventilated transformers for tolerating harmonics loads K4, K9, K13, K20 and K30 ratings. Three-phase 15 kVA to 500 kVA, 200% neutral, electrostatically shielded. Meets DOE 2016 efficiency requirements.



Encapsulated transformers

General-purpose NEMA 3R enclosures, standard aluminum windings, 115 °C temperature rise, 180 °C insulation system for commercial, industrial and lighting applications. Single-phase 50 VA to 37.5 kVA, three-phase 3 kVA to 112.5 kVA, UL® Listed and CSA® certified.



Harmonic mitigating transformers

Specially designed ventilated transformers for harmonic cancellation. Performance third-party validated under nonlinear loads. Optional integral surge protective device (SPD) with optional indicating light. Meets DOE 2016 efficiency requirements.



Buck-boost transformers

Buck-boost transformers are ideally suited for applications where the available voltage needs to be slightly increased (boosted) or decreased (bucked). Buck-boost transformers are available in three voltage combinations with ratings 0.05 kVA to 7.5 kVA.



Totally enclosed non-ventilated transformers

Designed for applications where the atmosphere contains materials or dust that might damage the transformer or block the ventilation passages. NEMA 3R rated enclosure. Also available in NEMA 4, NEMA 4X and NEMA 12.



Breaker integrated transformers (BIT)

BIT integrates a traditionally separate molded case circuit breaker (MCCB) and a low-voltage dry-type distribution transformer. Factory-assembled and fully tested, BIT helps reduce arc-flash hazard, footprint and overall cost of the electrical distribution system.



Mini-power centers (MPC)

Solutions that combine individual preconnected components into one NEMA rated enclosure. MPC solution includes loadcenter, primary and secondary main breakers, and encapsulated transformer (EP or EPT) in a NEMA 3R enclosure to save space and installation cost. Also available in NEMA 4X stainless-steel enclosures.



Control power transformers

Transformer isolates control circuits from power and lighting circuits, and handles the high in-rush current of contactors and relays. Used in control panels, motor control centers, enclosed control, machine tooling equipment, commercial air conditioning and conveyors.



NEMA 4X transformers

Designed for special applications such as hose-down areas and locations where the enclosure is exposed to salt or other corrosive items. Grade 304 and 316 stainless-steel enclosures, buck-boost, ABS marine duty, Class 1 Division 2 hazardous locations, CE marked, shielded isolation and others.



Solar-duty transformers

Dry-type, low-voltage solar-duty transformers are engineered for applications where voltage adjustments are required between the photovoltaic array, end-user and the utility. Solar-duty transformers are designed for use in the renewable energy market and are rated for bidirectional use to allow power to flow to or from the electrical grid.



Class 1 Division 2 hazardous location transformers

Encapsulated transformers specially designed for locations where volatile flammable liquids, vapors or gases are used, but will become hazardous only in case of an accident or some unusual operating condition. (See NEC® Article 501 for complete definition.)



When you need more than 'off the shelf'

Eaton's Dry-Type Distribution Transformer Flex Center can help.



Customer-driven specs

- Custom-painted enclosures
- Special labeling
- Tailor-made dimensions and configurations
- Custom efficiency, sound, altitude, operating ambient, impedance and temperature rise



Safer designs

- Compliance with industry and regional standards
- Infrared viewing windows to ease diagnostics
- Hinged front cover to simplify maintenance and testing
- Integrated breakers on secondary side to reduce arc-flash hazard



Harsh environments

- NEMA® 4X, 304 or 316 stainless steel enclosures
- NEMA 12 totally enclosed, non-ventilated
- Hazardous location ratings with Class I, Division 2 encapsulated transformers



Packaged solutions

- Configurations with quick connectors (military grade)
- Pre-terminated cable for ease of installation
- Primary or secondary breakers and ventilated transformer in a single component



Providing transformers to meet unique customer requirements for more than 25 years—custom solutions are our specialty.

What are your unique needs?

To learn more,
email us at
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©2024 Eaton
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Printed in USA
Publication No. PA00912002EN / Z29141
December 2024

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