

QDTB® TRANSFORMER

3P-to-1P

Special/Isolation/Control Transformers

PRODUCT DATASHEET

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3P-to-1P — Series Overview

The 3P-to-1P series phase-converting transformers supply balanced single-phase power from a three-phase source, ideal for feeding single-phase loads from three-phase networks. Dry-type construction with Class F insulation ensures dependable conversion.

Key Features

- Converts three-phase to single-phase
- Balanced single-phase output
- Class F insulation, dry-type design
- Suitable for commercial and industrial loads

Typical Applications

- Single-phase loads on three-phase networks
- Commercial building supplies
- Industrial single-phase equipment
- Balanced load distribution

Model Number Breakdown

3P — Three-phase input

to — Conversion

1P — Single-phase output

Model Specifications

10 model(s) in the 3P-to-1P series. Weight and dimensions are typical reference values, subject to confirmation.

Model	Rated Capacity	HV Voltage	LV Voltage	Cooling	Impedance (%)	Standard	Weight (kg) †	Dimensions (L×W×H) †
3to1-5KVA	5	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	30 kg	220×190×230 mm
3to1-10KVA	10	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	55 kg	280×240×290 mm
3to1-15KVA	15	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	75 kg	320×270×320 mm
3to1-20KVA	20	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	90 kg	350×300×350 mm
3to1-30KVA	30	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	130 kg	400×340×390 mm
3to1-50KVA	50	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	200 kg	450×380×450 mm
3to1-75KVA	75	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	280 kg	500×420×500 mm
3to1-100KVA	100	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	350 kg	550×460×550 mm
3to1-150KVA	150	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	490 kg	590×495×590 mm
3to1-200KVA	200	0.38 kV	0.38 kV	AN	4	GB/T 1094, IEC 60076	620 kg	650×540×650 mm

† Typical values, subject to confirmation. Final dimensions and weights are per factory GA drawings and routine test reports.

Standards & Certification

ISO 9001 Certified — Quality Management System

CE marking — available on selected models

Design and testing per IEC 60076, IEC 60076-11 (dry-type), IEC 61330 (substations), GB 1094 and related international standards.

Note: Certification details and test reports are provided upon request for the specific model and destination market.

Inquiry & Contact

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QDTB® guarantees a response within 24 hours on business days. Send your model, capacity, voltage and quantity for a detailed quotation.