

QDTB® TRANSFORMER

CKSG

Reactors

PRODUCT DATASHEET

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CKSG — Series Overview

The CKSG series represents three-phase series reactors purpose-built for capacitor banks, protecting capacitors from inrush currents and harmonic resonance. Available with 6-12% impedance matching, these dry-type reactors ensure safe and reliable reactive power compensation.

Key Features

- Designed for capacitor bank protection
- 6-12% impedance for resonance detuning
- Class F insulation, maintenance-free design
- Compact dry-type construction

Typical Applications

- Capacitor bank series protection
- Reactive power compensation systems
- Harmonic resonance detuning
- Power factor correction

Model Number Breakdown

- C — Series (capacitor bank) connection
- K — Reactor
- S — Three-phase
- G — Dry-type

Model Specifications

9 model(s) in the CKSG series. Weight and dimensions are typical reference values, subject to confirmation.

Model	Rated Capacity	Voltage	Connection	Reactance (%)	Noise (dB)	Insulation Class	Standard	Weight (kg) †	Dimensions (L×W×H) †
CKSG-6Kvar	6	0.45 kV	Series	12	≤58 dB(A)	F (155°C)	GB10229, IEC 60076-6	60 kg	330×225×310 mm
CKSG-7Kvar	7	0.45 kV	Series	12	≤58 dB(A)	F (155°C)	GB10229, IEC 60076-6	65 kg	345×230×315 mm
CKSG-12.5Kvar	12.5	0.45 kV	Series	12	≤58 dB(A)	F (155°C)	GB10229, IEC 60076-6	100 kg	390×260×365 mm
CKSG-14Kvar	14	0.45 kV	Series	12	≤58 dB(A)	F (155°C)	GB10229, IEC 60076-6	105 kg	395×265×375 mm
CKSG-20Kvar	20	0.45 kV	Series	8	≤58 dB(A)	F (155°C)	GB10229, IEC 60076-6	140 kg	420×280×400 mm
CKSG-25Kvar	25	0.45 kV	Series	8	≤58 dB(A)	F (155°C)	GB10229, IEC 60076-6	165 kg	435×290×410 mm
CKSG-30Kvar	30	0.45 kV	Series	8	≤58 dB(A)	F (155°C)	GB10229, IEC 60076-6	190 kg	450×300×420 mm
CKSG-40Kvar	40	0.45 kV	Series	8	≤58 dB(A)	F (155°C)	GB10229, IEC 60076-6	230 kg	465×310×435 mm
CKSG-50Kvar	50	0.45 kV	Series	6	≤58 dB(A)	F (155°C)	GB10229, IEC 60076-6	270 kg	480×320×450 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.