

QDTB® TRANSFORMER

BKDG

Reactors

PRODUCT DATASHEET

Shandong Yaqing Electric Power Technology Co., Ltd.
qdtb-transformer.com · Alice@qdtb-transformer.com

BKDG — Series Overview

The BKDG series single-phase dry-type reactors are compact components designed for control circuits, signal filtering, and current limiting in low-voltage applications. Features reliable dry-type insulation for maintenance-free operation.

Key Features

- Compact single-phase design for panel integration
- Dry-type insulation for maintenance-free operation
- Suitable for control circuit and signal applications
- Reliable performance in indoor environments

Typical Applications

- PLC control circuit filtering
- Signal line current limiting
- Low-voltage power factor correction
- Control panel noise suppression

Model Number Breakdown

- B — Reactor (Biyaoqi / Inductor)
- K — Dry-type (Kongqi cooled / Air-cooled)
- D — Single-phase (Danxiang)
- G — General purpose / Control circuit application

Model Specifications

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

Model	Rated Capacity	Voltage	Connection	Reactance (%)	Insulation Class	Standard	Weight (kg) †	Dimensions (L×W×H) †
BKDG-35-1000	1000	35 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	2200 kg	900×600×800 mm
BKDG-35-3000	3000	35 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	5200 kg	1200×800×1050 mm
BKDG-35-5000	5000	35 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	8000 kg	1350×900×1200 mm
BKDG-110-5000	5000	110 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	8000 kg	1350×900×1200 mm
BKDG-35-10000	10000	35 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 mm
BKDG-110-10000	10000	110 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 mm
BKDG-220-10000	10000	220 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 mm
BKDG-35-20000	20000	35 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 mm
BKDG-110-20000	20000	110 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 mm
BKDG-35-30000	30000	35 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 mm
BKDG-110-30000	30000	110 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 mm
BKDG-220-30000	30000	220 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 mm
BKDG-35-50000	50000	35 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 mm
BKDG-110-50000	50000	110 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 mm
BKDG-220-50000	50000	220 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 mm
BKDG-35-60000	60000	35 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 mm
BKDG-110-60000	60000	110 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 mm
BKDG-220-60000	60000	220 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 mm

Model	Rated Capacity	Voltage	Connection	Reactance (%)	Insulation Class	Standard	Weight (kg) †	Dimensions (L×W×H) †
BKDG-35-100000	100000	35 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 mm
BKDG-110-100000	100000	110 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 mm
BKDG-220-100000	100000	220 kV	Parallel	6	A (105°C)	GB10229, IEC 60076-6	14000 kg	1600×1000×1500 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

Website	https://qdtb-transformer.com
Email	Alice@qdtb-transformer.com
WhatsApp	+86 13698683193
Phone	+86 13698683193
Address	No. 50, Jifa Longshan Road, Environmental Protection Industrial Park, Jimo District, Qingdao, Shandong, China

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