

QDTB® TRANSFORMER

KYN61

High Voltage Switchgear

PRODUCT DATASHEET

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KYN61 — Series Overview

The KYN61 series 40.5kV metal-clad withdrawable switchgear is designed for medium voltage power distribution at the 40.5kV level. Equipped with VBI/VCB vacuum breakers, suitable for power generation, mining, and petrochemical plant applications.

Key Features

- Rated for 40.5kV medium voltage distribution
- Withdrawable VCB/VBI vacuum breaker design
- Metal-clad compartmentalized construction
- Suitable for both 50Hz and 60Hz systems

Typical Applications

- Power generation plant HV distribution
- Mining industry power systems
- Petrochemical plant switchgear
- Large industrial facility power distribution

Model Number Breakdown

- K — Switchgear (Kaiguan)
- Y — Metal-clad (Jinshu)
- N — Indoor use (Nei)
- 61 — Design series number (40.5kV class)

Model Specifications

16 model(s) in the KYN61 series. Weight and dimensions are typical reference values, subject to confirmation.

Model	Rated Voltage	Rated Current	Rated Breaking Current	Short-time Withstand (kA/4s)	Protection Level	Mechanical Life (ops)	Operating Mechanism	Standard	Weight (kg) †	Dimensions (L×W×H) †
KYN61-40.5/1250-25	40.5 kV	1250 A	25 kA	25 kA	IP4X	10000	Spring-operated (integrated VCB)	GB3906, IEC 62271-200	1100 kg	1000×1600×2400 mm
KYN61-40.5/1250-25(60Hz)	40.5 kV	1250 A	25 kA	25 kA	IP4X	10000	Spring-operated (integrated VCB)	GB3906, IEC 62271-200	1100 kg	1000×1600×2400 mm
KYN61-40.5/1250-31.5	40.5 kV	1250 A	31.5 kA	31.5 kA	IP4X	10000	Spring-operated (integrated VCB)	GB3906, IEC 62271-200	1100 kg	1000×1600×2400 mm
KYN61-40.5/1250-31.5(60Hz)	40.5 kV	1250 A	31.5 kA	31.5 kA	IP4X	10000	Spring-operated (integrated VCB)	GB3906, IEC 62271-200	1100 kg	1000×1600×2400 mm
KYN61-40.5/2000-25	40.5 kV	2000 A	25 kA	25 kA	IP4X	10000	Spring-operated (integrated VCB)	GB3906, IEC 62271-200	1100 kg	1000×1600×2400 mm
KYN61-40.5/2000-25(60Hz)	40.5 kV	2000 A	25 kA	25 kA	IP4X	10000	Spring-operated (integrated VCB)	GB3906, IEC 62271-200	1100 kg	1000×1600×2400 mm
KYN61-40.5/2000-31.5	40.5 kV	2000 A	31.5 kA	31.5 kA	IP4X	10000	Spring-operated (integrated VCB)	GB3906, IEC 62271-200	1100 kg	1000×1600×2400 mm
KYN61-40.5/2000-31.5(60Hz)	40.5 kV	2000 A	31.5 kA	31.5 kA	IP4X	10000	Spring-operated (integrated VCB)	GB3906, IEC 62271-200	1100 kg	1000×1600×2400 mm
KYN61-40.5/2500-25	40.5 kV	2500 A	25 kA	25 kA	IP4X	10000	Spring-operated (integrated VCB)	GB3906, IEC 62271-200	1100 kg	1000×1600×2400 mm
KYN61-40.5/2500-25(60Hz)	40.5 kV	2500 A	25 kA	25 kA	IP4X	10000	Spring-operated (integrated VCB)	GB3906, IEC 62271-200	1100 kg	1000×1600×2400 mm
KYN61-40.5/2500-31.5	40.5 kV	2500 A	31.5 kA	31.5 kA	IP4X	10000	Spring-operated (integrated VCB)	GB3906, IEC 62271-200	1100 kg	1000×1600×2400 mm
KYN61-40.5/2500-31.5(60Hz)	40.5 kV	2500 A	31.5 kA	31.5 kA	IP4X	10000	Spring-operated (integrated VCB)	GB3906, IEC 62271-200	1100 kg	1000×1600×2400 mm
KYN61-40.5/3150-25	40.5 kV	3150 A	25 kA	25 kA	IP4X	10000	Spring-operated (integrated VCB)	GB3906, IEC 62271-200	1100 kg	1000×1600×2400 mm
KYN61-40.5/3150-25(60Hz)	40.5 kV	3150 A	25 kA	25 kA	IP4X	10000	Spring-operated (integrated VCB)	GB3906, IEC 62271-200	1100 kg	1000×1600×2400 mm
KYN61-40.5/3150-31.5	40.5 kV	3150 A	31.5 kA	31.5 kA	IP4X	10000	Spring-operated (integrated VCB)	GB3906, IEC 62271-200	1100 kg	1000×1600×2400 mm
KYN61-40.5/3150-31.5(60Hz)	40.5 kV	3150 A	31.5 kA	31.5 kA	IP4X	10000	Spring-operated (integrated VCB)	GB3906, IEC 62271-200	1100 kg	1000×1600×2400 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.