



HV Switchgear

KYN61-40.5(Z) Armored Withdrawable Metal-Enclosed Switchgear

KYN61-40.5(Z) armored withdrawable AC metal-enclosed switchgear is an indoor assembled distribution unit for three-phase AC 50Hz systems rated 40.5kV. It receives and distributes power in power plants, substations and industrial & mining enterprises — providing control, protection and monitoring — and is suitable for frequently-operated sites. It complies with GB/T 11022-1999, GB 3906-1991 and DL 404-1997.

MODEL DESIGNATION

KYN61-40.5(Z)

K	metal armored	Y	withdrawable
N	indoor	61	design series
40.5	rated voltage (kV)	(Z)	vacuum circuit breaker

TECHNICAL SPECIFICATIONS

Rated voltage	40.5 kV
Rated current	630 – 2500 A
Short-circuit breaking current	25 / 31.5 kA
Enclosure protection	IP3X (IP2X with truck door open)
Rated frequency	50 Hz
Standards	GB 3906 / DL 404 / IEC 62271-200 (IEC 298)

KEY FEATURES

- ▶ Assembled cabinet with floor-mounted withdrawable truck
- ▶ New composite-insulation vacuum circuit breaker — interchangeable and easy to replace
- ▶ Screw-nut truck-pushing mechanism; smooth movement and anti-misoperation
- ▶ All operations performed with the door closed; forced mechanical 'five-prevention' interlocks
- ▶ Ample cable compartment for multiple cables; quick earthing switch
- ▶ Enclosure protection IP3X (IP2X with truck door open)

NORMAL OPERATING ENVIRONMENT

- ▶ Ambient temperature: max +40 °C, min –15 °C
- ▶ Relative humidity: daily average ≤ 95%, monthly average ≤ 90%
- ▶ Vapour pressure: daily ≤ 2.2 kPa, monthly ≤ 1.8 kPa
- ▶ Altitude ≤ 2000 m; seismic intensity ≤ 8
- ▶ Air free of corrosive or flammable gas and notable pollution
- ▶ No severe vibration; consult us for conditions beyond GB 3906