


HV Switchgear

KYN28-12 Indoor Metal-Clad Withdrawable Switchgear

KYN28-12 AC metal-clad switchgear is used in three-phase AC systems rated 12kV, 50Hz — for receiving and distributing electrical energy and for control, protection and monitoring of circuits. It complies with GB 3906-2006 (3.6–40.5kV AC metal-enclosed switchgear and controlgear), GB 11022-89, IEC 298(1990) and DL 404-97.

MODEL DESIGNATION

KYN28-12 / □□

K	metal-clad enclosed	Y	withdrawable (mid-mounted truck)
N	indoor	28	design series
12	rated voltage (kV)	□	primary-circuit scheme
□	environment code (TH = humid tropical, TA = dry tropical, G = high altitude)		

TECHNICAL SPECIFICATIONS

Rated voltage	12 kV
Rated current	630 – 4000 A
Short-circuit breaking current	25 / 31.5 / 40 kA
Enclosure protection	IP4X (IP2X with breaker door open)
Rated frequency	50 Hz
Standards	GB 3906 / DL/T 404 / IEC 62271-200

KEY FEATURES

- Designed per GB 3906 armored metal-enclosed switchgear; cabinet plus mid-mounted withdrawable truck
- Overhead-incoming, cable in/out and other functional schemes, combined into a complete distribution system
- Four separate compartments; enclosure IP4X, IP2X between compartments and when the breaker door is open
- Installed, tested and maintained from the front — allows back-to-back, double-row and against-wall layouts, saving floor space

NORMAL OPERATING ENVIRONMENT

- Ambient temperature: max +40 °C, min –15 °C
- Vapour pressure: daily ≤ 2.2 kPa, monthly ≤ 1.8 kPa
- Air free of corrosive or flammable gas and notable pollution
- Relative humidity: daily average ≤ 95%, monthly average ≤ 90%
- Altitude ≤ 1000 m; seismic intensity ≤ 8
- No severe vibration; consult us for conditions beyond GB 3906