



LV Switchgear

GGD Low-Voltage Fixed Switchgear

GGD low-voltage fixed switchgear is used in power plants, substations and industrial & mining enterprises as the distribution equipment for power, lighting and distribution in AC 50Hz systems rated 380V, up to 5000A — for energy conversion, distribution and control. It offers high breaking capacity, good dynamic and thermal stability, flexible electrical schemes, easy combination, a high protection class and a modern structure. Designed to IEC 439 and GB 7251.

MODEL DESIGNATION

GGD□□□

G AC low-voltage distribution cabinet

D power cabinet

□ main-circuit scheme

G fixed-mounted, fixed-connection

□ design series (1 = 15kA / 2 = 30kA / 3 = 50kA breaking capacity)

□ auxiliary-circuit scheme

TECHNICAL SPECIFICATIONS

Rated voltage	380 V (AC 50 Hz)
Rated current	up to 5000 A
Rated breaking current	15 / 30 / 50 kA (GGD1 / GGD2 / GGD3)
Short-time withstand (1s)	15 / 30 / 50 kA
Peak withstand	30 / 63 / 105 kA
Capacity by type	GGD1 400–1000A · GGD2 600–1600A · GGD3 2000–3200A
Standards	IEC 439 / GB 7251

NORMAL OPERATING ENVIRONMENT

- ▶ Ambient temperature –5 °C to +40 °C; 24-hour average ≤ +35 °C
- ▶ Altitude ≤ 2000 m; indoor installation
- ▶ Installation tilt ≤ 5° from vertical
- ▶ Relative humidity ≤ 50% at +40 °C (higher at lower temps, e.g. 90% at +20 °C)
- ▶ No severe vibration or shock; free of corrosive or explosive gases and conductive dust
- ▶ Contact the manufacturer for conditions beyond the above