



LV Switchgear

GCK Low-Voltage Draw-Out Switchgear

GCK low-voltage draw-out switchgear is widely used in power plants, metallurgy and rolling mills, petrochemical plants, light-textile factories, port terminals and large buildings — serving as the distribution and centralised motor-control equipment in AC three-phase four-wire or five-wire supply systems rated 380V / 660V, 50Hz, up to 5000A. It has passed full type testing and holds China Compulsory Certification (CCC), and is an assembled, advanced-grade LV switchgear designed to GB 7251.1-2005 and IEC 60439.1-1992.

MODEL DESIGNATION

GCK-□

G	enclosed switch cabinet	C	draw-out type
K	system	□	main-circuit scheme number

TECHNICAL SPECIFICATIONS

Rated insulation voltage	660 / 1000 V
Rated working voltage	400 / 660 V
Auxiliary circuit voltage	AC 380 / 220 V ; DC 110 / 220 V
Busbar rated current	1000 / 1250 / 1600 / 2000 / 2500 / 3200 / 4000 / 5000 A
Busbar short-time withstand (1s, rms)	50 / 80 kA
Busbar peak withstand (0.1s)	105 / 140 / 176 kA
Branch busbar rated current	630 / 1000 / 1250 / 1600 A
Branch busbar short-time withstand (1s)	30 / 50 kA
Branch busbar peak withstand (0.1s)	63 / 105 kA
Enclosure protection	IP30 / IP40
Busbar configuration	Three-phase four-wire / five-wire
Operation modes	Local / Remote / Automatic

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