



GCK Type Low Voltage Switchgear

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➤ General

GCK type low-voltage with drawable switchgear (hereinafter referred to as switchgear) is applicable to the power distribution system with AC 50(60)HZ, rated operating voltage of 660V and below. It consists of two parts, the Power Distribution Center (PC) cabinet and the Motor Control Center (MCC). As a power distribution motor control and lighting distribution equipment. The switchgear complies with IEC60439-1 (low-voltage switchgear and control equipment), GB7251.1-2013 (low-voltage switchgear and control equipment), and GB/T14048.1-2006 (low-voltage switchgear and control equipment general rules). And it has high breaking capacity, good dynamic thermal stability, advanced and reasonable structure, flexible electrical scheme, series, strong versatility, arbitrary combination of various program units, and a large number of loops accommodated by a single cabinet, saving floor space ,high degree of protection, safety and reliability, easy maintenance and so on. This product is widely used in power plants, substations,metallurgy, textile, petrochemical, factories and mines, high-rise buildings and other occasions.

➤ Standard

GB7251	Low-voltage switchgear and control equipment
JB/T9661	Low Voltage Withdrawable Switchgear
Gb14048	Low Voltage Switchgear Control Equipment
GB4942	low voltage electrical enclosure protection class
GB3047	Basic dimensions of panels, frames and cabinets
GB9466	Low voltage switchgear basic test method
GB2681	Wire color in electrical installations
IEC439	Low-voltage switchgear and control equipment

➤ Service environment

- 1.Air temperature: -35°C~+40°C
- 2.Humidity: Monthly average humidity 95%; Daily average humidity 90% .
- 3.Altitude :≤ 2500m
- 4.Ambient air not apparently polluted by corrosive and flammable gas, vapor etc.
- 5.No frequent violent shake

➤ Technical Date

No.	Item	Unit	Data
1	Rated voltage	V	400,690
2	Rated insulation voltage	V	660,1000
3	Rated current	A	400~6300
4	Rated current of drawer accessories	A	250,400,630
5	Rated short-circuit current	KA	20~120
6	Insulation: Power frequency withstand voltage	V	Main circuit:2500; Auxiliary circuit 2000
7	Protection class		IP4X
8	Operating mechanism		Manual mechanism; Electric mechanism
9	Operational power supply	V	DC:110,220; AC:110,220
10	Overall dimension(Width*Depth*Height)	mm	600(800,1000)x800(1000)x2200
11	Weight	KG	300~1000

Note: For short circuit breaking and peak current is based on Fuse plus combination

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