

GGD Low Voltage Switchgear

Summary

GGD model AC LV Withdrawable applies to power plant, substation industrial enterprise, as motive force in AC 50/60Hz, rated working voltage 380/415V, rated current 3150A and below distribution system. For transferring power energy, distributing and controlling of lightning and distribution. High breaking capacity, rated short time current will reach 50kA. Flexible circuit scheme, convenient combination, novel structure.

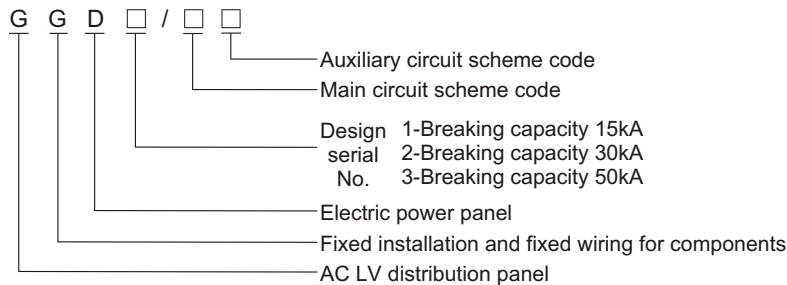
This product conforms to IEC60439 LV Switchgear and controlgear, GB7251 LV Switchgear and controlgear etc.



Ambient condition

1. Ambient temperature: $-5^{\circ}\text{C}\sim+40^{\circ}\text{C}$, daily average temperature $\leq+35^{\circ}\text{C}$;
2. Altitude: $\leq 2000\text{m}$, indoor type;
3. Ambient relative humidity at highest temperature $+40^{\circ}\text{C}$ not exceed 50%;
4. Allowed max relative humidity at low temperature, example for $+20^{\circ}\text{C}$ is 90%, it will occur moderate moist due to temperature change;
5. Vertical installation, gradient: $\leq 5\%$;
6. Occasions without flammable and explosive matter, without corrosive chemical and frequent severe vibration.

Model



Product feature

1. GGD AC LV distribution panel adopts commonly type, the frame are welded or assembled by 8MF cold bend steel, the components and special fitting of frame are supplied by our company. To keep perfect precision and quality.
2. Commonly panel components are designed reference to module principle, 20 modular, high commonly factor, shorten production cycle and improve production efficiency.
3. We have taken account of heat radiation during operating when got ready to design. There are many heat radiation slotted eye from top to bottom on the body. Heat quantity will displace to direction of upper slotted eye, then the cold wind will be compensated from bottom slotted eye, when the components is heating and increase heat quantity, then form to a natural air channel.
4. GGD panel adopts modern industrial style design, adopts golden section method to design panel outline and section dimension of every parts.
5. The panel door are connected by transfer axle type moving link chain and frame, convenient to install and disassemble.
6. There is a rubber plastic bar in the place of edge and a compress travel between door and frame in closing.
7. Panel finishing coat of instrument door chooses multi strand soft copper line to connect with frame.
8. The installation components and frame are connected by knurled washer to complete earthing protection system.
9. The body finishing coat is choice polyester orange type bake lacquer, also can choose spouting moulding technology, strong adhesive force.
11. The body protection degree is IP 30, allowed scope is from IP 20 to IP 40 according to ambient condition.

Technical specification

Type	Rated voltage (V)	Rated current (A)		Rated short circuit breaking current (kA)	Rated short time withstand current (1s)(kA)	Rated peak withstand current (kA)
GGD1	400	A	1000	15	15	30
		B	600(630)			
		C	400			
GGD2	400	A	1500(1600)	30	30	63
		B	1000			
		C	600(630)			
GGD3	400	A	3200	50	50	105
		B	2500			
		C	2000			

Outline drawing

