LV Switchgear

GCS AC Low-Voltage Draw-Out Switchgear

GCS AC low-voltage draw-out switchgear is used in power plants, petrochemical, chemical, metallurgy, textile and high-rise building distribution systems. In large power plants and petrochemical systems with high automation and computer-interface requirements, it serves as the LV assembly for distribution, centralised motor control and reactive-power compensation in AC three-phase 50(60)Hz systems rated 400V / 660V, up to 5000A. Designed to IEC 439-1 and GB 7251.

MODEL DESIGNATION

GCS-□

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

TECHNICAL SPECIFICATIONS

Main circuit rated voltage	AC 400 / 660 V
Auxiliary circuit voltage	AC 220 / 380(400) V ; DC 110 / 220 V
Rated frequency	50 (60) Hz
Rated insulation voltage	660 V
Rated current — horizontal busbar	≤ 5000 A
Rated current — vertical busbar (MCC)	1000 A
Busbar short-time withstand (1s)	50 / 80 kA
Busbar peak withstand (0.1s)	105 / 176 kA
Power-frequency test (1 min) — main / aux	2500 V / 2000 V
Busbar configuration	3-phase 4-wire (A.B.C.PEN) / 5-wire (A.B.C.PE.N)
Enclosure protection	IP30 / IP40

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

Hovol Power — a product line of Hovol Global
Qingdao Hongwo Trading Co., Ltd.（青岛宏渥商贸有限公司）
Rm 4, 6/F, Zhongxin Bldg, No. 247-263 Liaoning Rd, Shibei District, Qingdao, Shandong, China

hovol-global.com
tomas@hovolglobal.com
WhatsApp / Tel: +86 188 0025 0771