



Medi Power



KMP G3

SF₆-gas insulated medium voltage switchgear system

MediPower KMP G3



KÖHL offers a complete range of air and gas insulated switchgear equipment for medium voltage applications in primary and secondary distribution networks. These are characterized by state-of-the-art technology, efficiency and user friendliness. Its high level of functionality combined with excellent personal protection ensures maximum safety in the power distribution process.

MODULAR DESIGN WITH A WIDE RANGE OF FUNCTIONS

Circuit breaker cabinets

- ▶ Circuit breaker panel with vacuum circuit breaker
Disconnecter and earthing switching
- ▶ Longitudinal section coupling with vacuum circuit breaker
Disconnecter and earthing switching
- ▶ Riser panel
- ▶ Measuring section
- ▶ Busbar measurement
- ▶ Busbar earthing

The product range comprises cabinets for the following nominal data:

12 kV	630 A,	800 A,	1250 A	25 kA (3s)
17,5 kV	630 A,	800 A,	1250 A	25 kA (3s)
24 kV	630 A,	800 A,	1250 A	25 kA (3s)

TECHNOLOGY

Each cabinet metal-enclosed and optionally stackable. The tank consists of stainless-steel sheeting with hermetically sealed gas compartment filled with SF₆ gas and is therefore independent of environmental conditions. A built-in gas filling nozzle enables evacuation or refilling of the switch section, complying with the environment-friendly recuperation of the SF₆ gas.

The drive section and the low-voltage section are accessible from the front. The gas-tight welded gas com-

partment features an assembly opening at the front covered with a flange plate.

Switchgear drives are assembled with the required accessories (actuator, auxiliary switch, motor drive etc.) on the front flange plate. On the housing's back is a rupture disk, which opens in the event of an arc fault. Pressure is relieved through a pressure release channel located in the back, and thereby, the system reaches the arc fault classification IAC AFLR 25kA 1s.

IEC 62271-200

VDE 0671 Teil 200

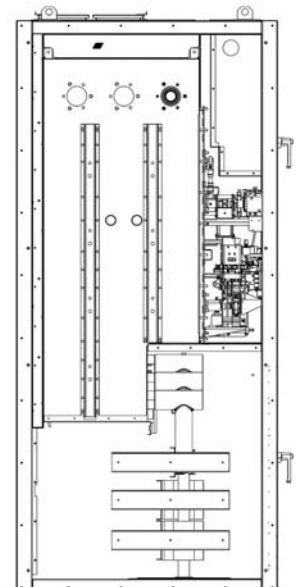
Arc fault classification IAC AFLR 25kA, 1s



TECHNICAL FEATURES IN DETAIL

Rated voltage	kV	12	17,5	24
Rated busbar current	A	630/800/1250	630/800/1250	630/800/1250
Rated input and output current	A	630/800/1250	630/800/1250	630/800/1250
Rated short-time current	kA	25	25	25
Rated short-circuit durations	s	3	3	3
Rated surge	kA	63	63	63
Rated lightning impulse withstand voltage 1,2/50	kV	75	95	125
Rated power frequency withstand voltage	kV	28	38	50
Rated frequency	Hz	50/60	50/60	50/60
Protection type	IP	4X	4X	4X

Field dimensions	12 - 24 kV	
W/D/H mm	450/1000/2200	600/1000/2200
Circuit breaker fields		
Circuit breaker field 630...800 A Single cable	●	
Circuit breaker field 1250 A Duplex cable		●
Circuit breaker cabinet with voltage converter on the output side		●
Coupling cabinet with circuit breaker and upwards line in 1250 A		●
Riser panel		●
Circuit breaker panel with busbar measuring		● High: 2400mm



INFO • CONTACT

KÖHL Group

17, Am Scheerleck

6868 Wecker

Luxembourg

Tel.: +352 71 99 71 - 5000

Fax: +352 71 99 71 - 5009

sales@koehl.eu

www.koehl.eu



Additional information