



Medi Power



KMP A3

Air-insulated medium voltage switchgear system

MediPower KMP A3



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 cabinet with vacuum circuit breaker, extendable
- ▶ Coupling cabinet with vacuum circuit breaker, extendable
- ▶ Riser panel with and without measurement
- ▶ Busbar measurement cabinet with and without busbar earthing
- ▶ Motor feeder with vacuum contactor, extendable

USER-FRIENDLY HANDLING

All mechanical and electrical operating processes can be carried out with closed doors. The switch setting of the switchgear equipment and the withdrawable unit are indicated via mechanical position indicator or by means of a viewing window.

The product range comprises cabinets for the following nominal data:

12 kV 630 ... 2500 A to 31.5 kA (3s)

TECHNOLOGY

The KMP A3 switchgear equipment consists of multi-partitioned switch cabinets. The field interior is subdivided into several functional partition segments:

- Busbar compartment,
- Switchgear compartment,
- Terminal compartment and
- Low-voltage equipment compartment.

These compartments are partitioned by vertical and horizontal steel-sheet panels and are separated from each other in an arc fault - proof manner. The arc is limited to the functional space. All high-voltage carrying compartments are provided with explosion vents in the upper area. The pressure is limited by various absorbers, depending on the short circuit power.

IEC 62271-200

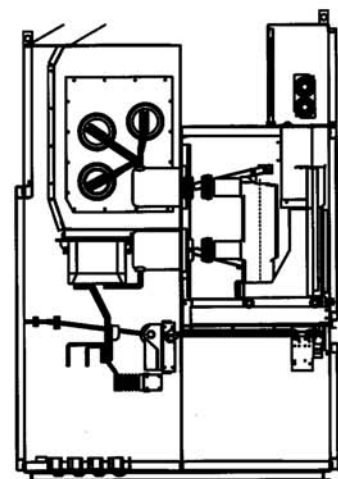
VDE 0671 Teil 200

Arc fault classification IAC AFLR 31.5kA, 1s



TECHNICAL FEATURES IN DETAIL

Rated Voltage	kV	12
Rated busbar current	A	630...2500
Rated input and output current	A	630...2500
Rated short-time current	kA	to 31.5
Rated short-circuit duration	s	3
Rated surge	kA	63...80
Rated lightning impulse withstand voltage 1,2/50	kV	75
Rated power frequency withstand voltage	kV	28
Rated frequency	Hz	50/60
Protection type	IP	3XD



Field dimensions		12 kV		
W/D/H mm		650/1575/2250	800/1575/2250	1000/1575/2250
Circuit breaker fields				
Circuit breaker field 630...1250	A	●		
Circuit breaker field 1600	A		●	
Circuit breaker field 2000...2500	A			●
Coupling 630...1250	A	●		
Coupling 1600	A		●	
Coupling 2000...2500	A			●
Upwards line 630...1250	A	●		
Upwards line 1600...2500	A		●	
Busbar field		●		
Motor field with vacuum contactor		●		

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