



MediPower

KMP A3



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Air-insulated medium voltage switchgear system

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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 usability. Its high level of functionality combined with excellent personal protection ensures maximum safety in the power distribution process.



USER FRIENDLY OPERATION

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 an inspection window. The philosophy of the interlocking system is individually configurable by the customer.

TECHNOLOGY

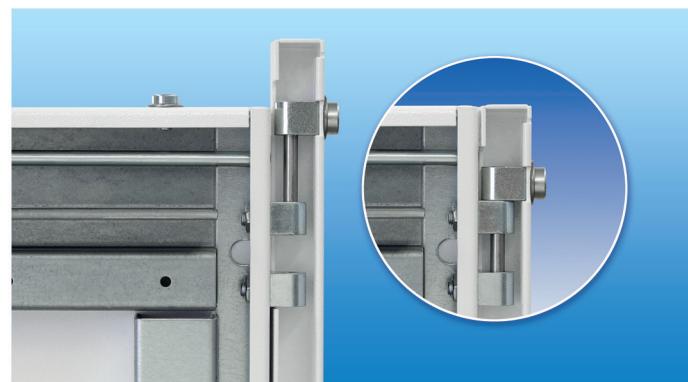
The new medium voltage switchgear system MediPower KMP A3 is available with the simple LSC 2A execution as well as with the multi-partitioned LSC 2B version. The cabinet interior is subdivided into several functional partition segments.

All high-voltage carrying compartments are provided with pressure reliefs in the upper area. In case of an arc flash the resulting pressure will be vented into the room or optimally out of the room through a bus duct which has been type tested in combination with the switchgear.

The possibility to integrate switching devices from different manufacturers ensures the highest flexibility in terms of efficiency and ranges of application.

MODULAR DESIGN WITH FUNCTIONAL DIVERSITY

- Incomer-/ Feeder-cabinet with withdrawable vacuum- or SF₆-circuit breaker
- Incomer-/ Feeder-cabinet with fix mounted circuit breaker or disconnector
- Motor cabinet with vacuum contactor
- Bus tie cabinet with withdrawable vacuum- or SF₆-circuit breaker
- Riser cabinet with and without measurement
- Measurement cabinet with and without busbar earthing



IEC 62271 - 200

VDE 0671 Part 200

Arc fault classification IAC AFLR 40kA, 1s



TECHNICAL FEATURES IN DETAIL

Technical data according IEC 62271-200 / VDE 0671-200		
Rated Voltage	12kV	17,5kV
Rated power frequency withstand voltage	28kV	38kV
Rated lightning impulse withstand voltage 1,2/50μs	75kV	95kV
Rated frequency	50-60Hz	50-60Hz
Rated busbar current	up to 3150A	up to 3150A
Rated peak withstand current	100kA	100kA
Rated short-time current (3s)	40kA	40kA
Degree of protection	IP 31/41	IP 31/41
IAC AFLR Qualifikation (1s)	40kA	40kA
Ambient temperature max./min./24h-average	40/-5/35°C	40/-5/35°C
Max. altitude	1000m	1000m
Relative humidity 24h-average	95%	95%

Dimensions 12-17,5kV			
W/D/H mm	650/1260/2200	800/1260/2200	1000/1260/2200
Incoming-/ Feeder-/ Bus tie-cabinet and riser 630A...1250A up to 31,5kA/3s	●		
Incoming-/ Feeder-/ Bus tie-cabinet and riser 630A...2000A up to 40kA/3s		●	
Incoming-/ Feeder-/ Bus tie-cabinet and riser 2500A...3150A up to 40kA/3s		●	●
Motor cabinet	●		
Measurement cabinet	●		

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Additional information