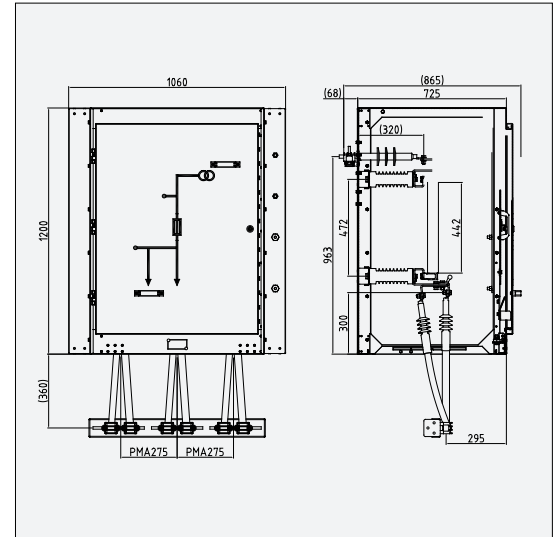


Air-insulated metal-enclosed fuse panel MSA-L 24 kV



Description

The air-insulated metal-enclosed fuse panel type MSA-L is type-tested in compliance with the valid standard DIN EN 62271-200 and therefore meets the requirements for a safe and reliable operation in the energy supply systems. The arc fault resistance of the fuse panel was successfully proven in a certified test panel in compliance with IAC-AFL 16 kA; 1s. The switchgear has been developed and constructed for the use under normal operating conditions in compliance with DIN EN 60694.

Design

The panels consist of a steel sheet construction in modular design with high-voltage power fuse holders. The individual elements are connected via steel rivets. A pressure-resistant steel sheet door with a the door hinge on the left-side constitutes the frontal panel closure.

Cables to be connected are guided into the switching panels from the bottom. The grounding of the connecting cables can be realised via fixed ball points or by reconnecting them to a grounding bar located in the frontal area.

Optional supplementary equipment

Amongst others: short-circuit sensors, capacitive voltage indicators, grounding bar for the grounding of the transformer.

Technical data

Rated voltage U_r	kV	24
Rated frequency f_r	Hz	50
Rated lightning impulse withstand voltage U_p (conductor / ground resp. conductor / conductor) (across the isolating distance)	kV	125 145
Rated short-duration power frequency withstand voltage U_d (cond./ground resp. cond./cond.) (across the isolating distance)	kV	50 60
Rated operating current I_r	A	630
Rated short-time current I_k	kA	20/1 s
Rated peak withstand current I_p	kA	50
Arc qualification IAC	AFL	
Arc testing current	kA	16
Duration of the arc testing current	s	1
Ambient temperature T	°C	-25 bis 40
Ambient temperature T, average over 24 h	°C	35
Degree of protection to VDE 0670, part 100	IP2X	
Height/width/depth	mm	1200/1060/798
Weight	kg	120