

UniMix

Air insulated medium voltage metal-enclosed switchgear

- Standard and arc-proof versions
- Air insulation of all the live parts of the switchgear
- Possibility of wall mounting
- Segregation between the busbar, switch-disconnector and feeder compartments
- Possibility of constructing many different solutions and simple extension
- Easily accessible apparatus controls
- Metal segregation and earthing guaranteed by the switch-disconnector stainless steel housing
- Insulating parts with large exhaust escape routes
- Gas insulated switch-disconnector
- REF542*plus* microprocessor unit available on request



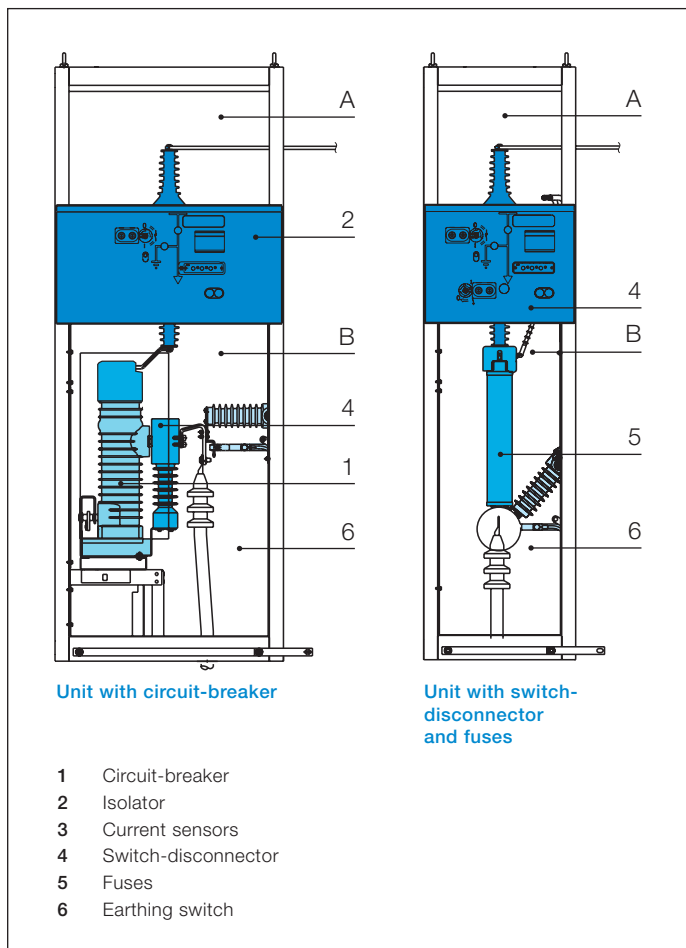
Technical data

Rated voltage	[kV]	12	17.5	24
Rated insulation voltage	[kV]	12	17.5	24
Test voltage (50-60 Hz/1 min)	[kV]	28	38	50
Impulse withstand voltage	[kV]	75	95	125
Rated frequency	[Hz]	50-60	50-60	50-60
Rated main bus bar current ⁽¹⁾	[A]	400/630/800/1250	400/630/800/1250	400/630/800/1250
Rated normal current ⁽¹⁾				
circuit-breakers	[A]	630	630	630
switch-disconnectors	[A]	400/630	400/630	400/630
isolators	[A]	400/630	400/630	400/630
Rated short-time withstand current (1 s)				
• P1E, P1/F, ASR, A, R, Rac, M, P2, P3	[kA]	12.5-16-20-25	12.5-16-20-25	12.5-16-20-25
Peak current				
• P1E, P1/F, ASR, A, R, Rac, M, P2, P3	[kA]	31.5-40-50-63	31.5-40-50-63	31.5-40-50-63
Internal arc withstand current				
Unit width:				
500 - 750 mm	[kA x 0,5 s]	12.5 - 16 - 20	12.5 - 16 - 20	12.5 - 16 - 20
500 - 750 mm	[kA x 1 s]	12.5 - 16	12.5 - 16	12.5 - 16
375 mm	[kA x 0,5 s]	12.5 - 16 ⁽²⁾	12.5 - 16 ⁽²⁾	12.5 - 16 ⁽²⁾
375 mm	[kA x 1 s]	12.5	12.5	12.5

⁽¹⁾ The values indicated are valid for a maximum ambient temperature of 40 °C. For higher temperatures please ask ABB.

⁽²⁾ For longer times, please consult us.

Basic cubicles



For more information please contact:

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