

Powerbloc 12/24 kV

Air-Insulated medium voltage switchgear module

- High resistance to internal arc faults
- Maintenance-free vacuum circuit-breakers
- Compact panel components from series production
- Individually adapted customer components
- Use of conventional or modern secondary systems



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Technical Data

Rated voltage	kV	12	17.5	24
Rated power frequency withstand voltage	kV	28	38	50
Rated lightning impulse withstand voltage	kV	75	95	125
Rated frequency	Hz	50/60	50/60	50/60
Rated current of tee-offs, circuit-breaker	A	...5000 ²⁾	...5000 ²⁾	...2500 ³⁾
Rated peak withstand current ¹⁾	kA	...125	...100	...63
Rated short-circuit breaking current of circuit-breaker	kA	...50	...40	...25
Rated short-time current, 3 s ¹⁾	kA	...50	...40	...25
Dimensions:				
Height	mm	1035	1035	1120
Depth	mm	722	722	870
Depth (including tulip)	mm	952 ⁴⁾	952 ⁴⁾	1193 ⁵⁾
Width				
• Rated current for tee-off ≤ 1250 A, ≤ 31.5 kA	mm	650/800	650/800	800/1000
• Rated current for tee-off ≤ 1250 A, > 31.5 kA	mm	800	800	—
• Rated current for tee-off 1600/2000 A	mm	800/1000	800/1000	1000
• Rated current for tee-off > 2000 A	mm	1000	1000	1000
Pole centres	mm	150/210/275	150/210/275	210/275

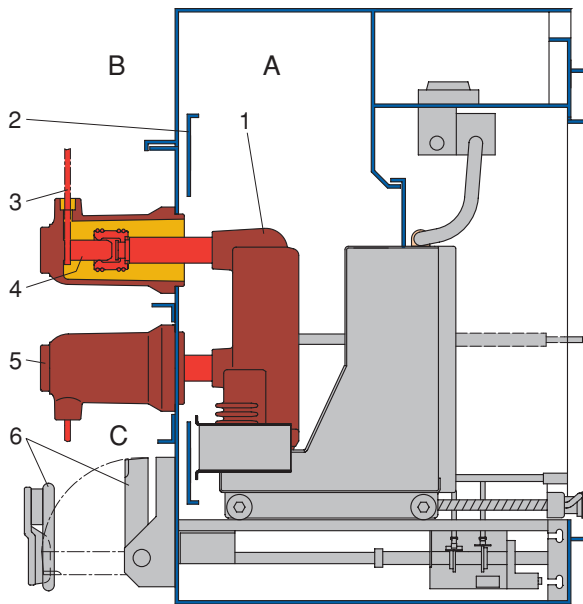
¹⁾ Take the short-circuit withstand capability of the instrument transformers into account separately.

²⁾ Up to 3150 A, 40°C ambient temperature, with natural ventilation. Up to 5000 A with forced ventilation.

³⁾ Up to 2500 A, 40°C ambient temperature, with natural ventilation.

⁴⁾ > 1250 A = 1002 mm

⁵⁾ > 1250 A = 1223 mm



- A Circuit-breaker compartment
- B Busbar compartment¹⁾
- C Cable connection compartment¹⁾

- 1 Vacuum circuit-breaker
- 2 Automatic shutter
- 3 Tee-off bar¹⁾
- 4 Contact pin
- 5 Contact tulip
- 6 Earthing switch

¹⁾ Customer components

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Note:

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