IEC medium voltage vacuum circuit breakers 12 kV, 17.5 kV and 24 kV

W-VAC*i*

Safety, reliability and performance in a compact package

W-VAC*i* building blocks

Vacuum interrupters (VI) → Encapsulated pole unit (EPU) + Universal mechanism assembly (UMA) → W-VAC*i* circuit breaker

Features and Benefits

- Industry leading vacuum and solid insulation technology
- Fixed and withdrawable versions available
- Environmentally friendly design - no SF_6 gas
- Conformance to the latest IEC standards - IEC 62271-100 and IEC 62271-1
- Numerous safety features for maximum protection
- User friendly operation with easy access and minimal inspection
- Compact and cost effective
- Flexible with a full line of accessories and OEM components

Applications

- Serving both 50 Hz and 60 Hz end-user segments of the electrical industry: industrial, commercial, utility, mining, marine and off-shore
- Protecting transformers, capacitor banks, motors, busbar sections and cables
- Suitable for special environment conditions: high altitude, shock, vibration and high ambient temperature

Circuit breaker designation			12 kV			17.5 kV			24 kV	
Rated voltage	U_r	kV	12			17.5			24	
Rated frequency	f_r	Hz	50 / 60							
Rated normal current	I_r	A	630 / 800 / 1250 / 1600 / 2000 / 2500 / 3150 / 4000 [1]						800 / 1250 / 1600 / 2000 / 2500	
Rated short-time withstand current	I_k	kA rms	25 / 26.3 / 31.5 / 40 / 50			25 / 31.5 / 40 / 50			20 / 25	
Rated duration of short circuit	t_k	s	3							
Rated supply voltage		V	24 - 48 - 60 - 110 - 125 - 220 - 250 VDC / 120 - 220 - 230 VAC							
Pole-center distance		mm	150	210	275	150	210	275	210	275
Upper-to-lower terminal spacing		mm	205 / 275	310	310	205 / 275	275	310	310	310

[1] 4000 A rating with forced cooling

Powering Business Worldwide