

VD4 vacuum circuit-breaker for generator applications

- Circuit-breaker for generator applications for 3400 A rated current, 40 kA short-circuit breaking current
- Suitable for 5000 A with forced cooling
- Draw-out version
- Low maintenance
- High quality standard
- Based on stored-energy torsion spring operating mechanism
- Wide range of accessories
- Tested under out-of-phase conditions



15 kV, 3400 / 5000 A, 40 kA – according to IEC 62271-100

		1534-40G	1550-40G
Rated voltage	[kV]	15	
Rated normal current	[A]	3400 / 5000 (with fan cooling)	
Rated short-circuit breaking current (symm.)	[kA]	40	
Rated short-circuit duration	[s]	3	
Rated short-circuit making current	[kA]	145	
Rated breaking capacity			
– Symmetrical short-circuit current	[kA]	40	
– Asymmetrical short-circuit current	[kA]	56 (83 % DC component)	
– First pole-to-clear factor		1.5	
– Operating sequence		O – 0,3 s – CO – 15 s / 3 min – CO	
Breaking current under out-of-phase conditions		10 kA at 21.65 kV	
– Out-of-phase angle	[el]	180	
– DC component	[%]	80	
– Rate of rise of transient recovery voltage	[kV/μs]	3,3 / 4,7	
– Peak transient recovery voltage	[kV]	53.3 (in relation to 14.5 kV / 60 Hz) 58.1 (in relation to 15.8 kV / 60 Hz)	
Closing time	[ms]	approx. 60	
Opening time	[ms]	75 ... 100	
Dimensions			
– Pole center distance	[mm]	275	
– Height	[mm]	677.5	
– Depth	[mm]	459	
– Width	[mm]	750	

¹⁾ The technical data are dependent on the network circumstances and the generator to be protected. A generator calculation is therefore necessary in advance.

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