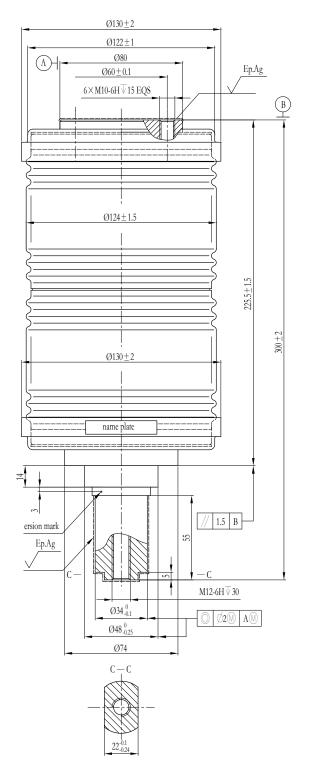


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## Vacuum Interrupter for Circuit-Breaker

## GTD-24/3150-40A



Main Technical Data			
ltem	Unit	Value	
Rated Voltage	kV	24	
Lightning Impulse Withstand Voltage (Peak)	kV	145	
Short-time (1min) Power-frequency Withstand Voltage	kV	79	
Rated Frequency	Hz	60	
Rated Current	А	3150	
Rated Short-time Withstand Current	kA	40	
Rated Duration of Short-circuit	S	4	
Rated Peak Withstand Current	kA	100	
Rated Short-circuit Making Current	kA	100	
Rated Short-circuit Breaking Current	kA	40	
Max. Dc Component		40%	
Switch Operations of Rated Short-circuit Breaking Current	Operations	20	
Rated Single Capacitor Bank Breaking Current	А	400%	
Rated Back-to-Back Capacitor Bank Breaking Current	А	400%	
Mechanical Endurance	Operations	10000	
Clearance Between Open Contacts	mm	11 11 0	
Contact Closed Force Due to Bellows and Atmosphere	N	210±50	
Counterforce of Contact at Full Stroke	N	300±50	
Circuit Resistance at Min. Rated Contact Force	μΩ	≤15	
Contact Limit Erosion	mm	3	
Mass of Moving Parts	kg	2.5	
Internal Gas Pressure	Pa	<1.33×10 <sup>-3</sup>	
Shelf Life	Years	20	
Rated Operating Sequence	Open-0.3s-CO-180s-CO		

Mechanical Data of Switch Equipped With Interrupter			
ltem	Unit	Value	
Average Opening Speed (first 6mm)	m/s	1.4±0.2	
Average Closing Speed (last 6mm)	m/s	0.8±0.2	
Contact Bounce Duration at Closing Operation	ms	€2	
Out of Simultaneity of Contact Closing and Opening	ms	≤1	
Rated Contact Pressure	N	4500 +500	
Contact Pressure at Contact Touch Point	N	3150 +300	
Max. Rebound of Contact at Opening Operation	mm	2	
Overtravel During Opening	mm	€2	

Note 1: "\( \times \)" Within transformer oil or equivalent isolation medium;

Note 2: "%" Rated characteristics to be given on request;

Note 3: Meets or exceeds the electrical endurance requirements of class E2 for autoreclosing duty per IEC 62271-100;

Note 4: The movable stem of the vacuum interrupter could noly suffe on more than 40N · m twisting force and in order not to damage the metal bellows, the movable stem should be prevent from rotation when assembling. For more requirements please check the Instructions of Usage.