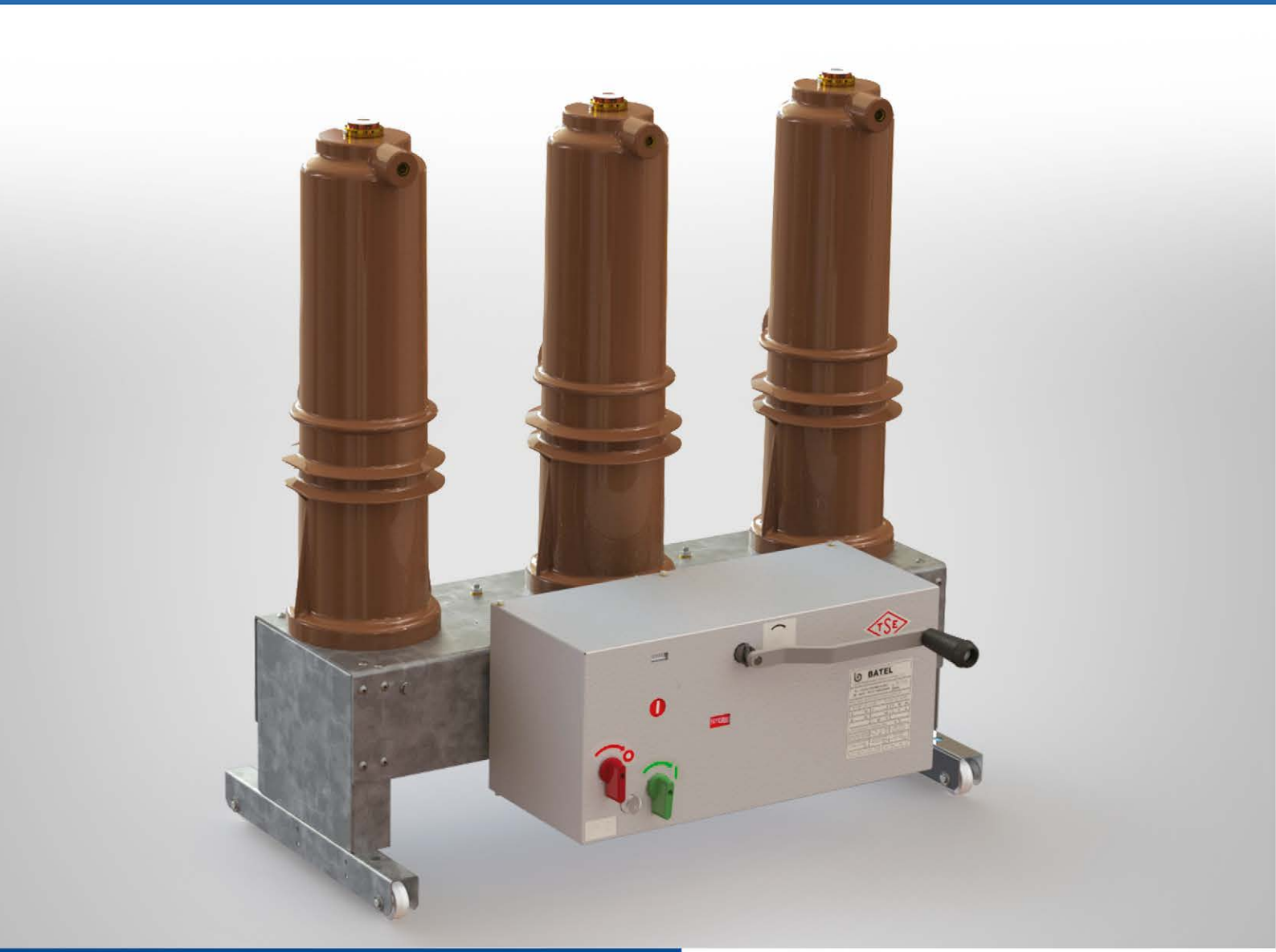
BATEL

elektromekanik

Product Catalog

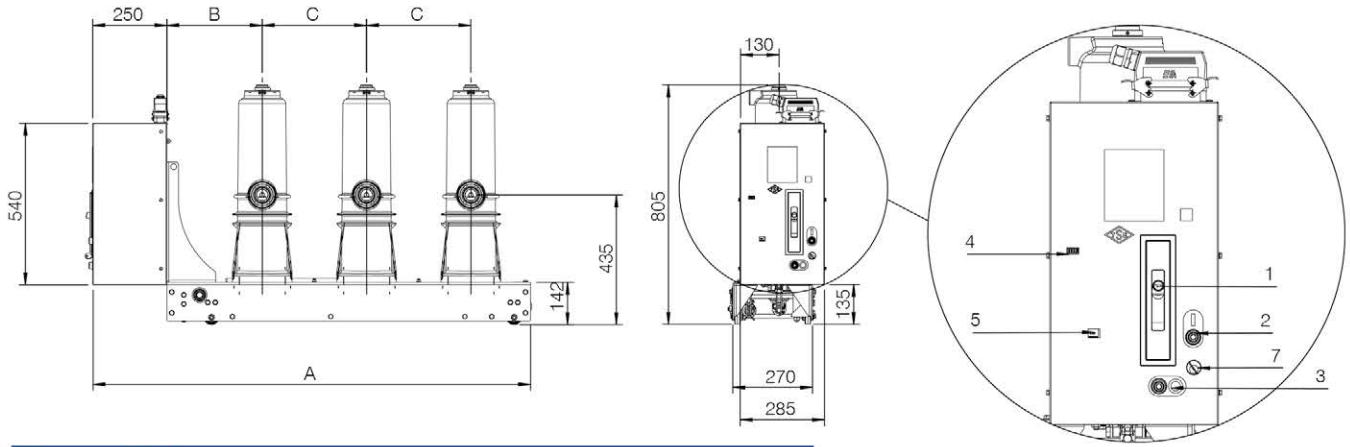
BVK VACUUM CIRCUIT BREAKER
TYPE 12-24-38,5 kV



General Specifications

- BVK type vacuum circuit breaker guarantees high level of safety and reliability due to applied vacuum interrupter technic and BATEL's experience in medium and high voltage switchgear production more than 35 years.
- BVK type vacuum circuit breakers equipped with BVI type vacuum interrupters designed and manufactured by BATEL in its facilities.
- By these means BVK type circuit breakers provide high level continuity and availability for the electricity distribution systems. These specifications also obtain longer operational endurance and less maintenance.
- 3 separate poles have epoxy resin insulated housing which contains the vacuum interrupter and terminals. Operating mechanism can be charged manually by lever or by motor. Charged mechanism has stored energy for closing and opening. Closing and opening functions can be done by the push-buttons or by the release coils.
- BVK circuit breakers have both frontal mechanism and lateral mechanism versions.
  For OPEN / CLOSED positions, 4NO + 4 NC or 6 NO + 6 NC auxiliary contacts can be selected optionally.

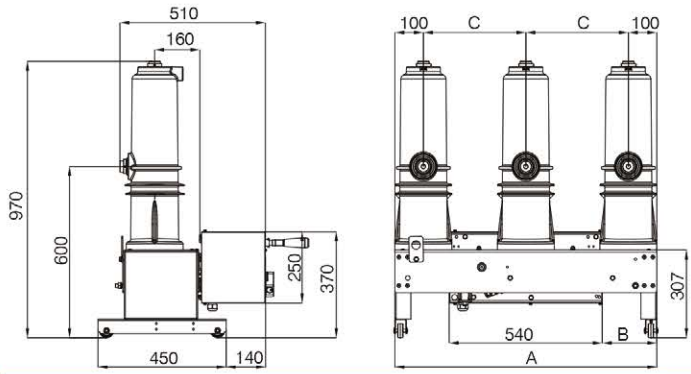
BVK 12 - 24 - 38,5 kV



1. Charging arm
2. Closing button
3. Opening button
4. Counter
5. Position indicator
6. Spring indicator
7. Mechanical lock

Laterall Type

Rated Voltage (kV)	Dimensions (mm)			Weight (kg)
	A	B	C	
12 - 17,5	1050	220	200	110
24	1180	250	250	115
36	1470	320	350	120



Frontal Type

Rated Voltage (kV)	Dimensions (mm)			Weight (kg)
	A	B	C	
12 - 17,5	700	80	250	110
24	760	110	280	115
38,5	920	190	360	120

Technical Characteristics

Rated voltage	kV	24	38,5
Powe frequency withstand voltage 50 Hz, 1 min	kV rms	50	70
Lightning impulse withstand voltage 1.2/50 µs	kV peak	125	170
Rated frequency	Hz	50	50
Rated current	A	630/1250	630/1250
Short circuit breaking current	kA	16/20/25	16/20/25
Short time withstand current	kA, 3s	16/20/25	16/20/25
Short circuit making current	kA peak	40/50/62,5	40/50/62,5
Operating sequence		O - 0.3 s - CO - 15 s -CO	
Related Standard		IEC 62271-100	
Electrical endurance class		E1 (E2 for non-reclosing)	
Mechanical endurance class		M1 (2000 operations)	
Capacitive current switching class		C2	
Ambient temperature for working	°C	- 15 / + 40	

Release coil and charging motor options :
Power supply — 24 V DC - 48 V DC - 110 V DC - 220 V AC

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