

Timetric



Lateral Indoor VCB

You can rest assured to buy Timetric Lateral Indoor VCB from our factory and we will offer you the best after-sale service and timely delivery. Since its establishment, the company has always adhered to the business philosophy of quality first, customer first, high-quality service, and honest management, and has done every detail of the product with the spirit of craftsmanship to serve every customer well.

Product Description

Timetric Lateral Indoor VCB Introduction

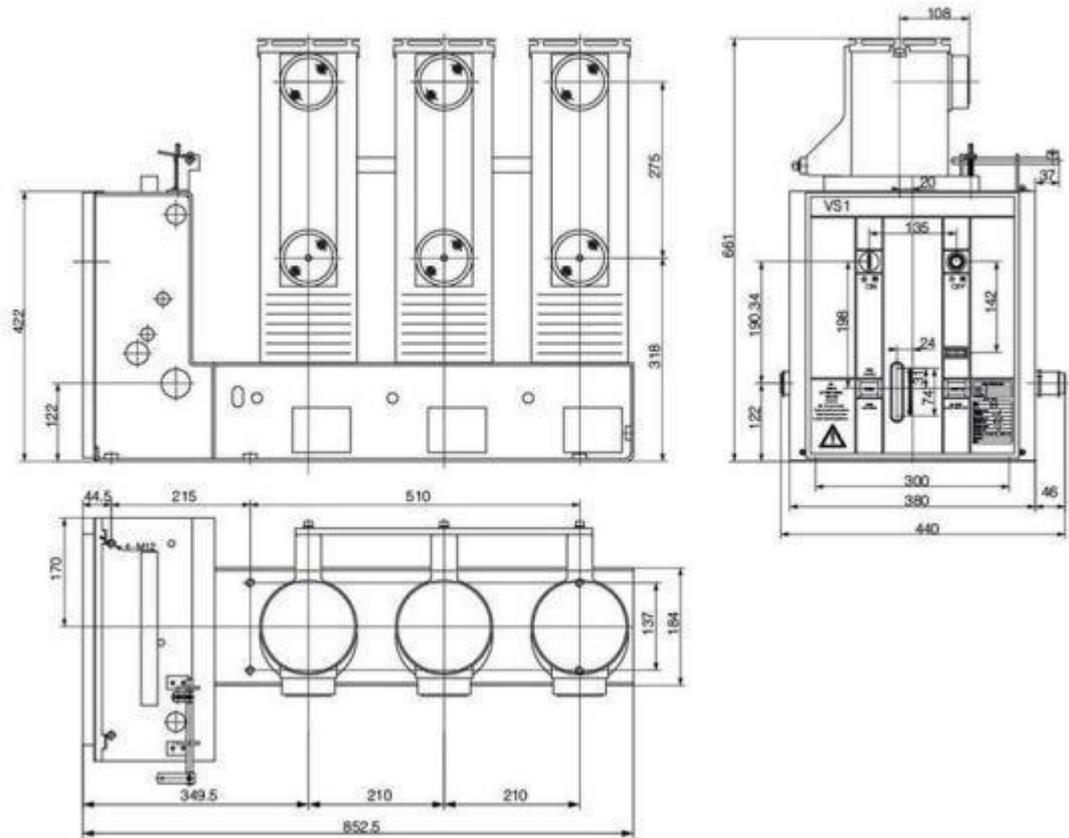
China Timetric Lateral Indoor VCB (hereinafter referred to as the circuit breaker) is suitable for the indoor switchgear of 12kV power system. As the protection and control unit of power grid equipment and industrial and mining enterprises, it is suitable for the occasions of throwing and cutting various loads of different nature and frequent operation and multiple times of short-circuit current. The product uses a new circuit breaker operating mechanism, the NGVSC primary part can use foreign brand solid sealing pole, the vacuum arc extinguishing chamber and the main circuit parts are sealed into a whole, protect the arc extinguishing chamber from collision, dust and condensation impact, strong adaptability to the environment, greatly reduce the operation and maintenance costs, truly realize a part of the product maintenance-free, operating mechanism less maintenance; Operating mechanism and circuit breaker body - type design, through the type test verification; With E2 class electrical life, M12 class mechanical life.



Timetric Lateral Indoor VCB Parameter (Specification)

name		unit	parameter		
Rated voltage		kV	12		
Maximum operating voltage		kV	630	630	630
Rated current		A	1250	1250	1250
Rated short-circuit breaking current		kA	20	25	31.5
Rated short-circuit making current		kA	50	63	80
Rated peak withstand current		kA	50	63	80
4S rated withstand current		kA	20	25	31.5
Rated insulation level	Power frequency withstand voltage (before and after rated breaking)	kV	42(Fracture 48)		
	Impulse withstand voltage (before and after rated breaking)	kV	75(Fracture 84)		
Rated operating sequence			O-0.3s-C-18s-CO		
Mechanical life		time	2000		
Rated short-circuit breaking current breaking times		time	50		
Rated closing voltage of operating mechanism (DC)		V	110 220		

Rated opening voltage of operating mechanism (DC)	V	110 220
Allowable accumulated wear thickness of movable and fixed contacts	mm	3



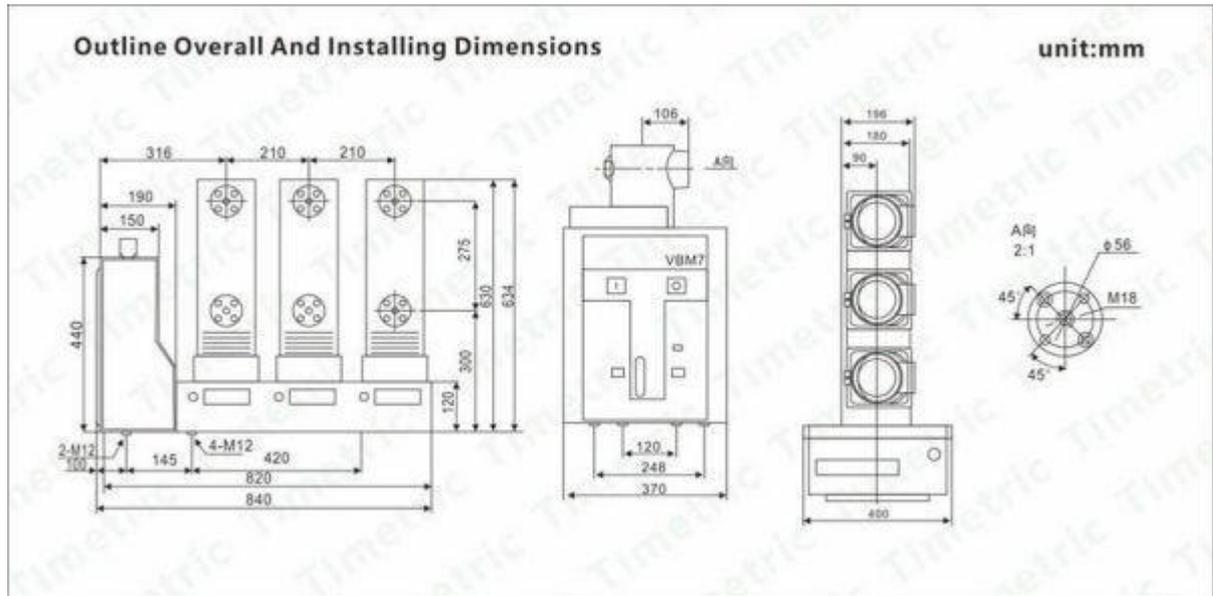
Timetric Lateral Indoor VCB Feature And Application

The overall structure of the Lateral Indoor VCB adopts the form of operating mechanism and the front and back arrangement of the primary part. The primary part is three-phase floor structure. The upper and lower outlet seat and the arc extinguishing chamber are sealed together by epoxy resin APG process, so that there is no dust accumulation on the surface of the arc extinguishing chamber, which can prevent the vacuum arc extinguishing chamber from being damaged by external factors and ensure that it can be used in humid, hot and dirty environment.

Current path of main loop when circuit breaker is in closing position

From the upper outlet seat 21 to the static contact in the vacuum arc extinguishing chamber, through the moving contact, the moving conductor rod and the soft connection

connected with it, to the lower outlet seat 20.



Timetric Lateral Indoor VCB Details

The Lateral Indoor VCB operating mechanism is a modular spring energy storage operating mechanism. The operating mechanism is integrated with a closing unit, an opening unit composed of one or several overcurrent tripping electromagnets, an auxiliary switch, an indicating device and other components; The front is equipped with closing and parting buttons, manual energy storage handle, spring energy storage status indicator, closing and parting indicator, etc.



