

DISTRIBUTION SOLUTIONS

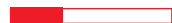
# VD4 evo

## Evolution that Empowers



### Complete health status assessment for intelligent operation and maintenance

**30%**



Reduction of unexpected outages



Reliability

**60%**



Operation and maintenance efficiency increase



Efficiency

**15%**



Footprint optimization and time savings



Productivity

### Improve your OpEx by cutting outages and maintenance cost with the future of medium voltage circuit breakers

VD4 is now available with the new VD4 evo series of accessories and configuration coming from the ABB family of Digital components.

VD4 evo can be ordered with different configurations specific for your need: either fully equipped device option for Advanced Monitor & Diagnostic features or as a standard configuration, but with possibility of future upgrade. Check the accessories section of the catalogue for the full list.

### The most compact medium voltage circuit breaker selection for your application

New most compact 17kV 40kA breaker to enable 15% of space saving\*. New features include also a new QR CODE for enhanced product interaction and EPD green certification.

\* New upcoming ratings will also be available soon.

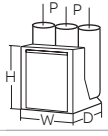
## Digital transformation

starts from breaker evolution



- Basic mechanical kinematic chain anomalies detection
- Accessories monitoring and replacement suggestions
- Loose connections detection and CB contacts monitoring
- Predict CB mechanical failures
- Advanced thermal checks & VI life
- Advanced mechanical chain and travel curve monitor

## Ratings

VD4			
Rated and Insulation voltage	kV	17.5	
Withstand voltage (1min)	kV	38	
Impulse withstand voltage	kVp	95	
Rated frequency	Hz	50-60	
Rated normal current	A	1250	
Rated breaking capacity and rated short-time withstand current (3s)	kA	40	
Making capacity	kAp	104	
Mechanical endurance	Close-Open operations	10,000	
Operating sequence		O-0.3s -CO-15s-CO	
Opening time	ms	33..60	
Arc time	ms	10..15	
Total interruption time	ms	43..75	
Closing time	ms	30..60	
Overall dimensions (withdrawable version)		H mm	589
		W mm	450
		D mm	424
		P mm	150
Weight	Fixed	Kg (approx.)	81
	Withdrawable	Kg (approx.)	111

H = Height of the circuit breaker

W = Width of the circuit breaker

D = Depth of the circuit breaker

P = Pole horizontal centre distance

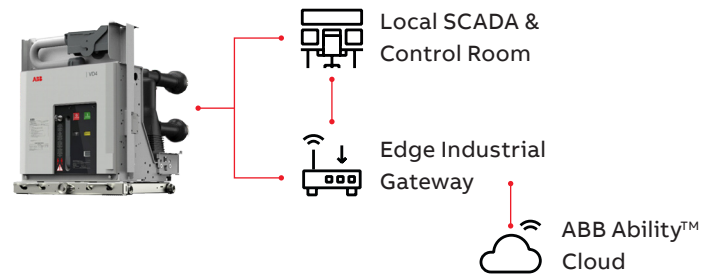
\* New upcoming ratings will also be available soon.

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[www.abb.com/mediumvoltage](http://www.abb.com/mediumvoltage)

## Interfaces

Edge + Cloud



### Local and remote access



On-premise real time local data availability



Condition monitoring and advanced diagnostic



Notification of warnings and alarms



Data historian

### Cloud Asset Management



Data gathering from additional resources



Asset overview and reporting



Advanced analytics

OPTIONAL  
Coming soon

More product information:

[abb.com/mediumvoltage](http://abb.com/mediumvoltage)

Your contact center:

[abb.com/contactcenters](http://abb.com/contactcenters)

More service information:

[abb.com/service](http://abb.com/service)

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