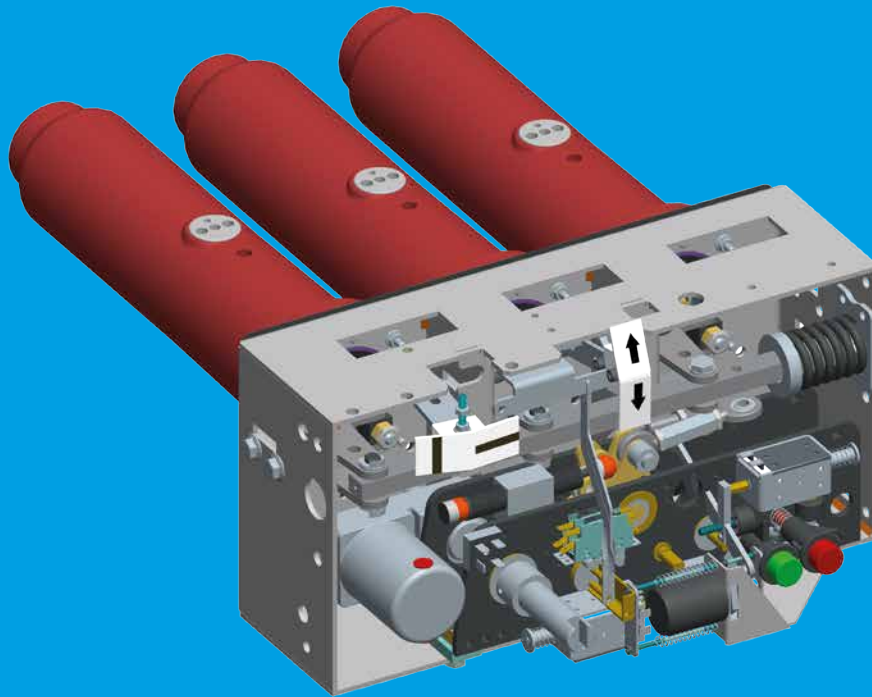


MEVOCO

MEDIUM VOLTAGE COMPONENTS

THE ONE STOP SHOP FOR MEDIUM VOLTAGE COMPONENTS



This vacuum circuit breaker of the spring mechanism type, is an extremely compact circuit breaker which is made for intergration in switchgears type Ring Main Unit and synonymous with high reliability and safety. The VA-3 concept offers the security and reliability with a large spectrum of possibilities in the range from 12 to 24 kV.

The vacuum circuit breaker is available in two main versions:

- VA-3 CO
- VA-3 O-0,3s-CO-15s-CO

VA-3 Vacuum Circuit Breaker

Reliable protection of your distribution network

Mevoco's new generation VA-3 vacuum circuit breaker proves that Mevoco is once again a safe and reliable partner for medium voltage components.

Key Features

- Complete switching device for distribution switchgear
- Made for integration in switchgears type RMU
- Available in a wide spectrum of possibilities
- Vacuum interrupters of the latest generation
- Great withstand to extreme temperatures
- Mechanical spring drive with exceptional longevity
- Maintenance-free

Characteristics of the VA-3

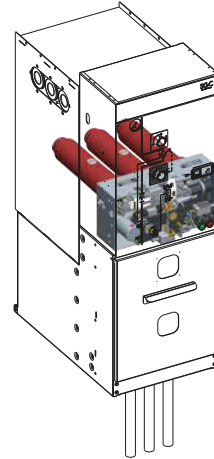
- State of the art vacuum interrupters
- Spring drive mechanism
- Developed and manufactured in line with the ISO9001 standards
- IEC Type tested at KEMA, according the latest IEC 62271-100

Technical Specifications

VA-3 (12 - 17.5 - 24 kV)	UNIT	400 A	630 A	800 A	1250 A
Rated operating sequence		CO or 0-0.3s-CO-15s-CO			
Rated voltage	kV	12 - 17.5 - 24	12 - 17.5 - 24	12 - 17.5	12 - 17.5
Rated power frequency withstand voltage 1 min	kV	28 - 38 - 50	28 - 38 - 50	28 - 38	28 - 38
Rated lightning impulse withstand voltage 1.2/50 µs	kV	75 - 95 - 125	75 - 95 - 125	75 - 95	75 - 95
Rated frequency	Hz	50/60	50/60	50/60	50/60
Rated current	A	400	630	800	1250
Rated short time current	kA	25 - 20 - 12.5	25 - 20 - 12.5	25 - 20 - 12.5	25 - 20 - 12.5
Rated duration of the short circuit	s	3	3	3	3
Rated peak withstand current	kA	63 - 50 - 31.5	63 - 50 - 31.5	63 - 50 - 31.5	63 - 50 - 31.5
Short circuit breaking current at $\leq U_n$	kA	25 - 20 - 12.5	25 - 20 - 12.5	25 - 20 - 12.5	25 - 20 - 12.5
DC Component	%	50	50	50	50
Short circuit making current	kA	63 - 50 - 31.5	63 - 50 - 31.5	63 - 50 - 31.5	63 - 50 - 31.5
Rated single capacitor bank breaking current at U_n en $f_n = 50$ [Hz]	A	400	630	630	630
Rated breaking cable charging current	A	25 - 31.5 - 31.5	25 - 31.5 - 31.5	25 - 31.5 - 31.5	25 - 31.5 - 31.5
Rated total closing time	ms	50	50	50	50
Rated total opening time	ms	42	42	42	42
Rated total breaking time	ms	60	60	60	60
Mechanical life time (number of CO operations)	number	10,000	10,000	10,000	10,000
Life time of the vacuum interrupter	years	30	30	30	30
Electrical life time of the vacuum interrupter (number of CO operations)	number	10,000	10,000	10,000	10,000
Weight	kg	72	72	72	72

Options

- Motor operation 24-48-110 VDC/110-220 VAC
- Auxiliary contacts (optionally spring charged)
- Operation counter
- Closing coil
- Tripping coil (x2)
- Mechanical close and/or trip button



Integration in RMU switchgear.

For more information on VA-3 or our other products, contact our sales team: sales@mevoco.be



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