

ECOFIT™ for your MV Switchboard

WBA/ ECA - BAL - AL [AEG, Alstom, Areva]

Medium voltage distribution

Achieve higher sustainable performance with ECOFIT™ modernization solution!



Benefits

- Extend your switchgear lifetime.
- Digitization, enable access to asset and energy management.
- Reduced environmental impact
- Enhance your process dependability.
- Optimize your maintenance service costs & limits your investments.
- New ECOFIT™ spare parts availability.

Maximize continuity of operation

- Life time extension for existing switchgear.
- Less downtime than with full panel replacement.
- Reduces plants shutdown time from days to hours.

World class manufacturer design

- Original manufacturer tested solution.
- Worldwide support with manufacturer warranty.
- No change of cables and no civil work.
- Safety of people and surrounding equipment.
- Improve reliability and quality with compliance to new standards.

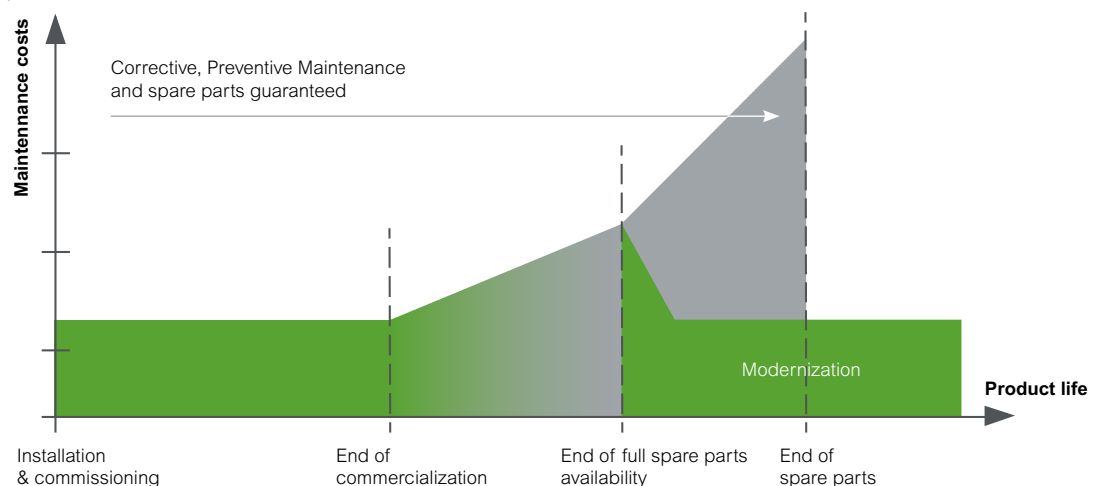
Reduce environmental impact

- Access to energy management with digital products.
- Efficient use of natural resources by replacing only active components.
- Recycling of obsolete equipment (metals, plastics, SF6, etc).

Schneider Electric team with you

- Worldwide support.
- Manufacturer expertise.
- Skilled installation and commissioning experts.

Total Cost of Ownership evolution

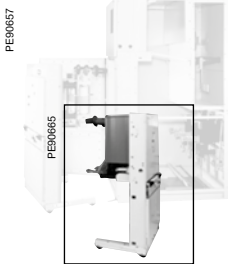


WBA/ ECA - BAL - AL with VA - VAA - Contactor

Original brand: AEG, Alstom, Areva

ECOFIT™ proposal

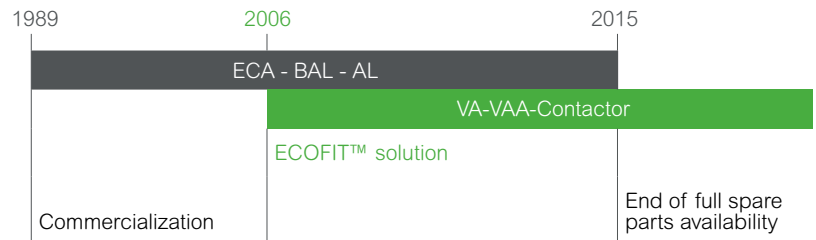
ECA - BAL - AL
Circuit Breaker



VA-VAA
Circuit Breaker



With ECOFIT™, a true extended life time



Main technical characteristics

	BAL-AL	ECA
Rated current (I _r)	250 A	630 - 2500 A
Short circuit current (I _{sc})	20 kA	20 - 50 kA
Rated voltage U _n (50/60 Hz)	3.6 - 12 kV	12 - 24 kV

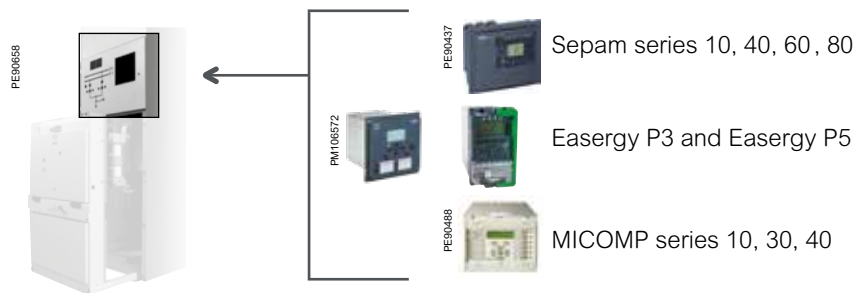
	VA-VAA-Contactor
Technology	Vacuum
Rated voltage U _r (kV)	12 - 24
Surge withstand voltage U _p (kV)	75 - 125
Nominal frequency (Hz)	50 - 60
Rated current I _r (A)	600 - 2500
Short circuit current I _{sc} (kA)	25 - 31.5
Short circuit duration T _k (s)	3

	VA-VAA-Contactor
Switching sequence	0-0.3s-CO-3min-CO
Closing time (ms)	20
Opening time (ms)	20 - 50
Number of switching operations	10000
Service temperature (°C)	-5/+40

Note: vacuum solutions may require overvoltage protections.

Additional offer

- Remote racking available for higher operator safety
- Improve energy and asset management: replacement of old protection relay with digital and connected relay.



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Life Is On

