

ECOFIT™ for your MV Switchboard

DNF4-2E / GFA [CEM, Delle-Alsthom, GEC-ALSTHOM]

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.

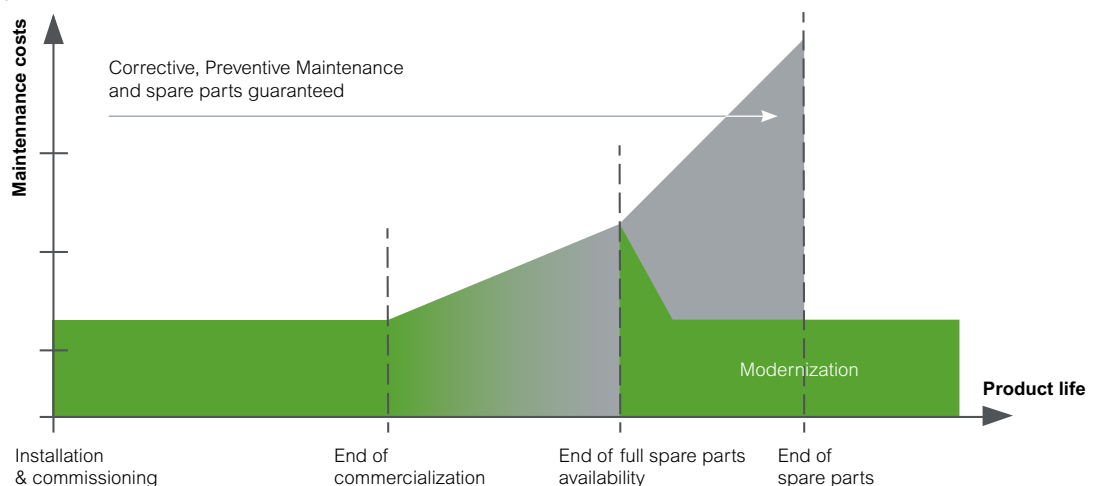
Reduce environmental impact

- 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.

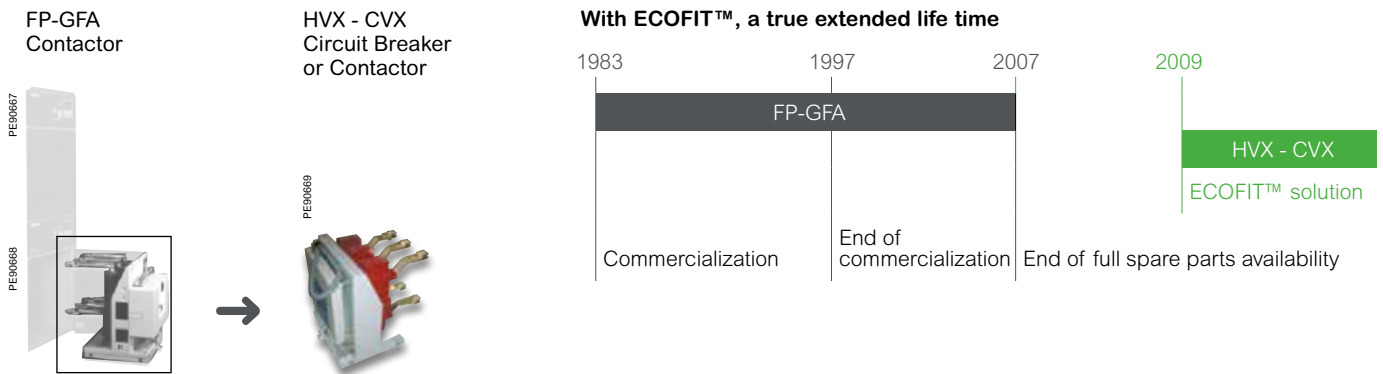
Total Cost of Ownership evolution



DNF4-2E/ GFA with HVX-CVX

Original brand: CEM, Delle Alsthom, GEC ALSTHOM

ECOFIT™ proposal



Main technical characteristics

	GFA			HVX	CVX	
Rated current (I _r)	400 - 2000 A		Switching sequence	0-3 min-CO-3 min-CO 0-0.3 s-CO-3 min-CO CO-15s-CO 0-0.3 s-CO-15 s-CO 0-0.3 s-CO-3min-CO		
Short circuit current (I _{sc})	40 kA			Closing time (ms)	35-53	40-80
Rated voltage Un (50/60 Hz)	12 kV			Opening time (ms)	45-63	100-200
	HVX	CVX	Number of switching operations	10000	300000 (mech.) 500000 (elec.)	
Technology	Vacuum		Service temperature (°C)	-5/+40	-25/+40	
Rated voltage Ur (kV)	12	12				
Surge withstand voltage Up (kV)	75	75				
Nominal frequency (Hz)	50-60	50-60				
Rated current I _r (A)	630-3150	400				
Short circuit current I _{sc} (kA)	16-50	4				
Short circuit duration T _k (s)	3	1				

*HVX only - **FP only - Note: vacuum solutions may require overvoltage protections.

Offer extension

- Improve energy and asset management: replacement of old protection relay with digital and connected relay.



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Life Is On

