

ECOFIT™ for your MV Switchboard

DNF4 MI & FI / FP [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.

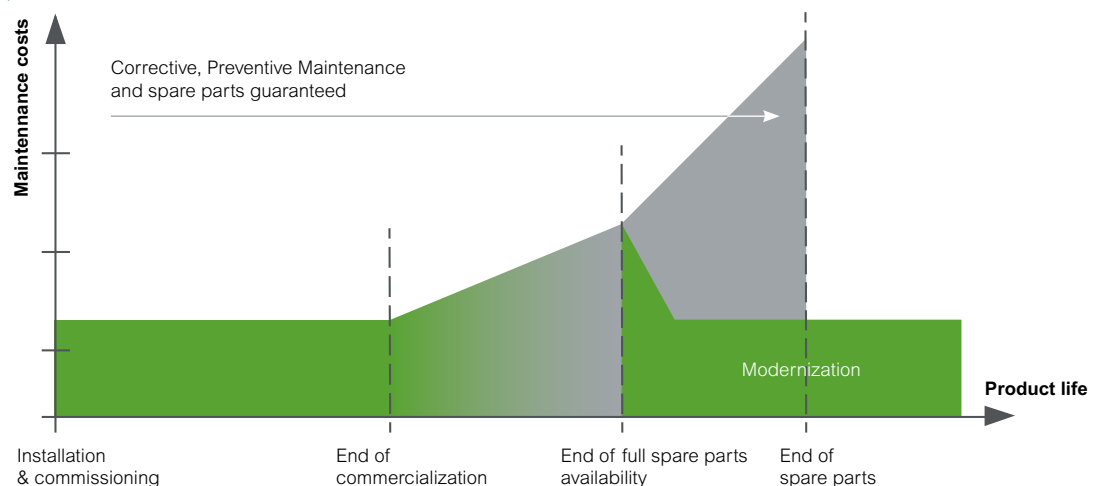
Reduce environmental impact

- 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 MI & FI / FP with FP

Original brand: CEM, Delle-Alsthom, GEC-ALSTHOM


ECOFIT™ proposal

FP Circuit Breaker



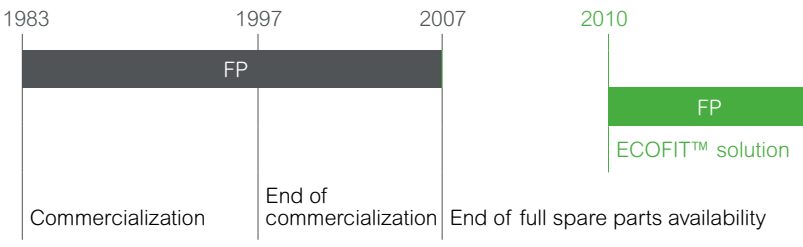
PE90671

FP Circuit Breaker



PE90673

With ECOFIT™, a true extended life time



1983 1997 2007 2010

Commercialization End of commercialization End of full spare parts availability

FP

FP

ECOFIT™ solution

Main technical characteristics

FP	
Rated current (I _r)	400-2000 A
Short circuit current (I _{sc})	40 kA
Rated voltage U _n (50/60 Hz)	12 kV

FP	
Technology	SF6
Rated voltage U _r (kV)	12
Surge withstand voltage U _p (kV)	75
Nominal frequency (Hz)	50-60
Rated current I _r (A)	400-3150
Short circuit current I _{sc} (kA)	16-50
Short circuit duration T _k (s)	3

FP	
Switching sequence	O-3 min-CO-3 min-CO CO-15s-CO O-0.3s-CO-3 min-CO
Closing time (ms)	50
Opening time (ms)	70
Number of switching operations	10 000
Service temperature (°C)	-5/+40

Additional offer

- SF6 recycling: think about the environment and comply with regulations and policies. We offer a complete solution to take-back and recycle your obsolete MV equipment, including the SF6 gas. [Consult us!](#)
- Improve energy and asset management: replacement of old protection relay with digital and connected relay.



PE90466

Easergy P1 Easergy P3 Easergy P5

Sepam series 60 or Sepam series 80 MiCOM P30 or MiCOM P40

V125 arc flash protection

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Life Is On

