

# ECOFIT™ for your MV Switchboard

Normabloc N13xx / HL [Delle]

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.

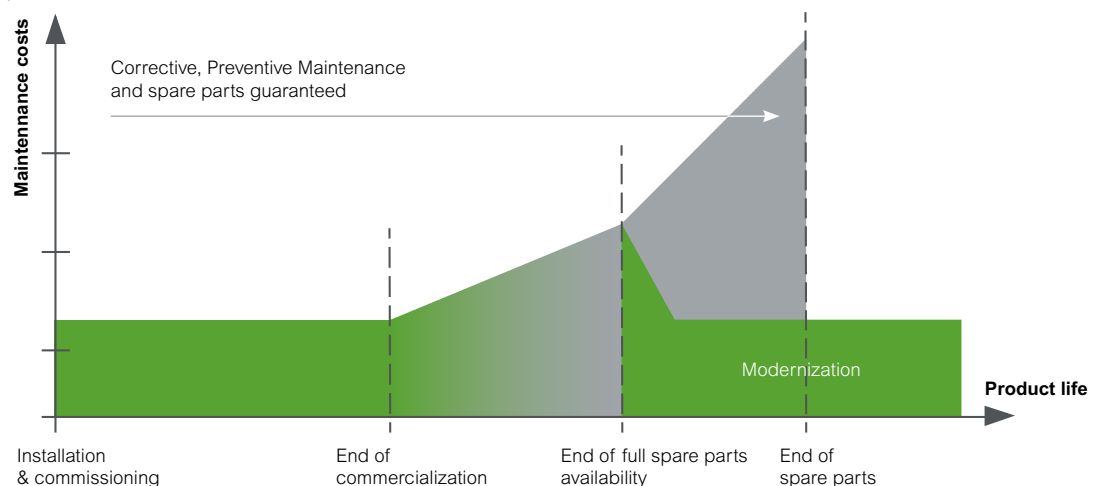
### Reduce environmental impact

- 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



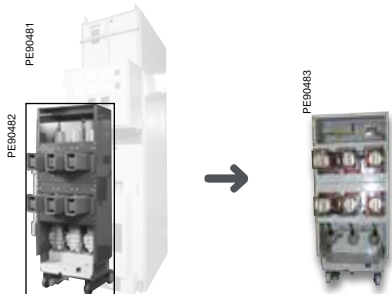
# Normabloc N13xx / HL with HVX -FPX

Original brand: Delle

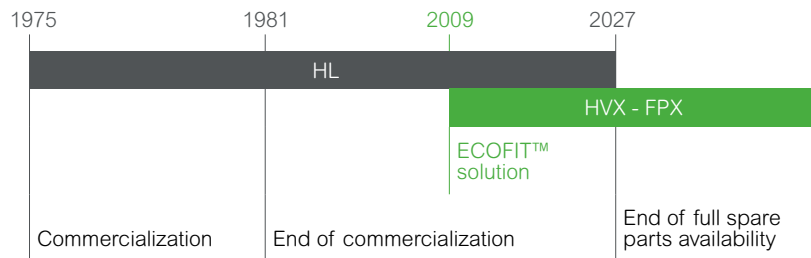
## ECOFIT™ proposal

HL  
Circuit Breaker

HVX - FPX  
Circuit Breaker



With ECOFIT™, a true extended life time



## Main technical characteristics

HL	
Rated current (Ir)	630 - 1250 A
Short circuit current (Isc)	25 & 40 kA
Rated voltage Un (50/60 Hz)	17.5 kV

	HVX	FPX		HVX	FPX
Technology	Vacuum	SF6	Switching sequence	0-3min-CO-3min-CO 0-0.3s-CO-3min-CO 0-15s-CO 0-0.3s-CO-15s-CO	0-3min-CO-3min-CO 0-0.3s-CO-3min-CO 0-0.3s-CO-15s-CO
Rated voltage Ur (kV)	17.5	17.5	Closing time (ms)	35 - 53	50
Surge withstand voltage Up (kV)	95	95	Opening time (ms)	45 - 63	50
Nominal frequency (Hz)	50 - 60	50 - 60	Number of switching operations	10000	10000
Rated current Ir (A)	630 - 1250	630 - 1250	Service temperature (°C)	-25 / +40	-25 / +40
Short circuit current Isc (kA)	16 - 40	12.5 - 40			
Short circuit duration Tk (s)	3	3			

Note: vacuum solutions may require overvoltage protections.

## Additional offer

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



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Life Is On

