ECOFIT™ for your MV Switchboard

ECOFIT™ is an economical complement to maintenance operations

Benefits

- Extends your switchgear’s lifetime by more than 50%.
- Enhances your process dependability.
- Optimizes your maintenance service costs & limits your investments.
- Maintains compliance with evolving standards and legislation without approval procedure.
- Ensures the safety of your personnel and surrounding equipment by using the latest technology.
- Access to Energy Management with Protection Relays upgrade.
- Easy access to spare parts thanks to ECOFIT™ new solution.

Product life cycle

- Life time extension for existing switchgear.
- Less downtime than with full panel replacement.
- Reduces infrastructure downtime from days to minutes.

Economical winning card + Ecological winning card = Peace of mind

- Limited parts’ replacement need.
- Optimized service and infrastructure costs.
- Reduction in recycling costs.

- Tested solution.
- Engineered solution with manufacturer’s warranty.
- Less risk because no cable changes and no civil footprint changes.
- Safety of people and surrounding equipment.
- Enhances availability and dependability by reducing CB failures.

Economical winning card

- Maintenance and spare parts supply guaranteed
- Cost and delivery time
- Start of commercialization: 15 to 20 years
- Classic maintenance: 10 years
- End of life

Ecological winning card

- Only inspection
- Spare parts only partially available

Ecological winning card

- ECOFIT™
Medium Voltage Distribution

Normasept N743 / HL by FP

Original brand: Delle Alsthom

ECOFIT™ proposal

With ECOFIT™, a true extended life time

<table>
<thead>
<tr>
<th>Year</th>
<th>HL</th>
<th>FP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1971</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1981</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1990</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1991</td>
<td></td>
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</table>

Commercialisation  End of commercialisation  End of spare parts

Main technical characteristics

<table>
<thead>
<tr>
<th></th>
<th>HL</th>
<th>FP</th>
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</thead>
<tbody>
<tr>
<td>Rated current (Ir)</td>
<td>400-630 A</td>
<td></td>
</tr>
<tr>
<td>Short circuit current (Isc)</td>
<td>12.5-14.5 kA</td>
<td></td>
</tr>
<tr>
<td>Rated voltage Un (50/60 Hz)</td>
<td>24 kV</td>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>FP</th>
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</thead>
<tbody>
<tr>
<td>Technology</td>
<td>SF6</td>
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<tr>
<td>Rated voltage Ur (kV)</td>
<td>24</td>
</tr>
<tr>
<td>Surge withstand voltage Up (kV)</td>
<td>75</td>
</tr>
<tr>
<td>Nominal frequency (Hz)</td>
<td>50-60</td>
</tr>
<tr>
<td>Rated current Ir (A)</td>
<td>400-3150</td>
</tr>
<tr>
<td>Short circuit current Isc (kA)</td>
<td>16-40</td>
</tr>
<tr>
<td>Short circuit duration Tk (s)</td>
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</tbody>
</table>

Switching sequence: 0-3 min-CO-3 min-CO CO-15 s-CO CO-0.3 s-CO-3 min-CO

Closing time (ms): 50

Opening time (ms): 70

Number of switching operations: 10,000

Service temperature (°C): -25/+40

Offer extension

Energy management: replacement of the old protection relay (Schneider Electric or competitors)

With ECOFIT™, a true extended life time


Energy management: replacement of the old protection relay (Schneider Electric or competitors)

PE90437 Sepam series 10, 20, 40, 60, 80

PE90488 or

MICOMP series 10, 20, 30, 40

Offers extension

Discover more about Schneider Electric electrical distribution services. Log on to: www.schneider-electric.com/electricaldistributionservices today!