

Technical data

Retrofitting of Reyrolle type LMT Switchgear Value added services

Retrofitting Advantages

The main benefits in retrofitting existing switchgear is that the required specifications are met at a fraction of the cost of replacing such switchgear with new equipment.

This becomes more apparent when the associated costs of civils, cabling and down time are considered.

The comparisons in costs between the retrofitting of existing switchgear to that of new replacement is roughly 40% of the cost of the new equipment.

Internal Arc Retrofits on Site

Existing Reyrolle LM switchgear panels can be retrofitted on site to achieve an internal arc fault rating of 25kA for 200ms. This retrofitting option increases operator safety in the event of switchgear failure.

Protection Retrofitting

Modern numerical relays with data recording and remote communication facilities can be fitted to existing substations. ABB UFES, ultra fast earthing switch will eliminate an internal arc within 5ms.

Circuit Breaker Retrofits on Site

The existing range of Reyrolle LM circuit breakers and contactors may be retrofitted to include a number of new features.

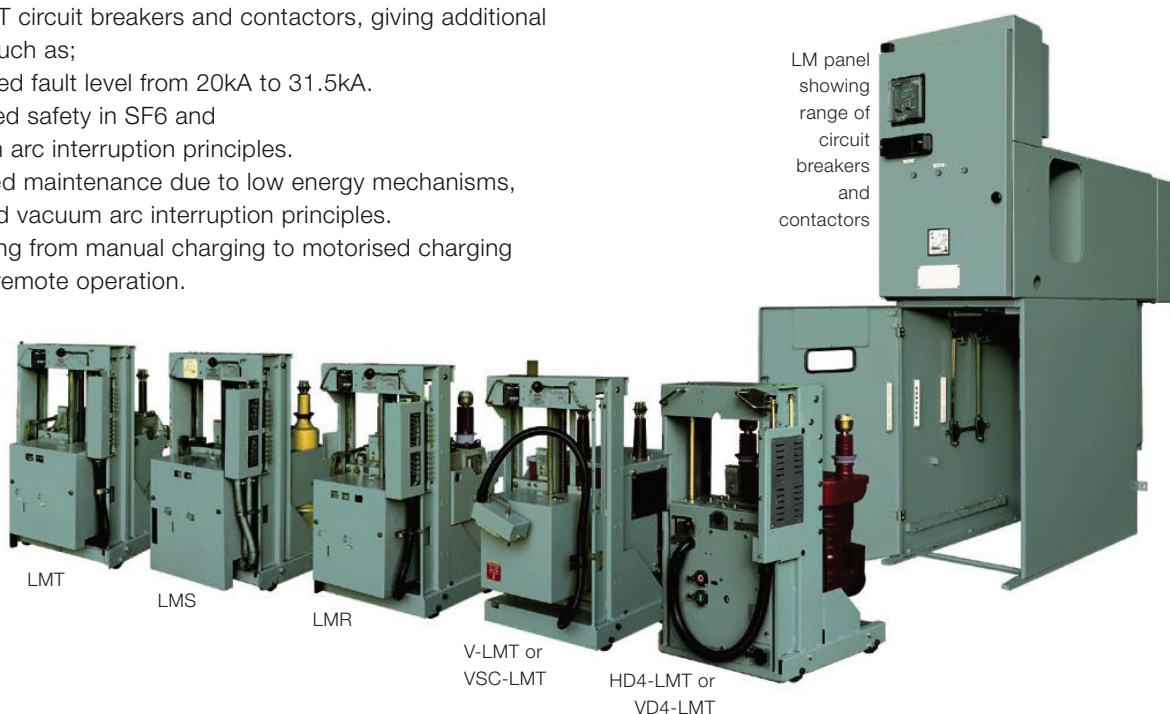
The LMT, LSR, LMS, LMR and LMVP circuit breakers and contactors may be replaced with the HD4-LMT, VD4-LMT, and V-LMT circuit breakers and contactors, giving additional benefits such as;

- Increased fault level from 20kA to 31.5kA.
- Improved safety in SF6 and vacuum arc interruption principles.
- Reduced maintenance due to low energy mechanisms, SF6 and vacuum arc interruption principles.
- Changing from manual charging to motorised charging allows remote operation.



Additional Retrofitted Products include:

- Remote switching.
- Higher rated busbars.
- Current transformers.
- Voltage transformers.



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LM Retrofit Products

HD4-LMT Circuit Breaker

The HD4-LMT is a SF6 retrofit circuit breaker for replacement of the Reyrolle type LMT, LSR, LMS, LMC, LMVP or LMR circuit breakers and contactors.

Rated Voltage: 12kV
Rated Current: 1250A
Rated STC: 31.5kA for 3 sec



HD4-LMT 1250A

VD4-LMT Circuit Breaker

The VD4-LMT is a vacuum retrofit circuit breaker for replacement of the Reyrolle type LMT, LSR, LMS, LMC, LMVP or LMR circuit breakers and contactors.

Rated Voltage: 12kV
Rated Current: 630A, 1250A or 2000A
Rated STC: 31.5kA for 3 sec



VD4-LMT
630/1250/2000A

V-LMT/VSC-LMT Fused Contactor

The V-LMT fused contactor retrofit for replacement of Reyrolle type LMT, LSR, LMS, LMC, LMVP or LMR circuit breakers and contactors.

Rated Voltage: 6.6kV
Rated Current: 400A
Rated STC: 21kA for 1 sec



V-LMT 200/400A

LM-AVU Retrofitting Kit

The LM-AVU is a panel retrofitting kit used to upgrade the Reyrolle type LM panel to an internal arc fault rating of 25kA for 200ms.



LM-AVU

Protection Retrofits

Modern numerical relays with data recording and communication facilities fitted on site. ABB UFES, ultra fast earthing switch will eliminate an internal arc within 5ms.

Remote Switching Retrofits

Upgrading of switchgear on site for remote switching to increase operator safety.

Busbar, Current and Voltage Transformer Retrofits

A full range of busbars, CT's and VT's is available to upgrade Reyrolle type LM panels on site.

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