

Technical data

HD4-LMT12kV Indoor SF6 Circuit Breaker

HD4-LMT Medium Voltage SF6 Circuit Breaker

The HD4-LMT medium voltage circuit breaker consists of three separate SF6 circuit breaker poles, that are maintenance free lifelong sealed pressure units complying with IEC 62271-100 and CEI 17-1.

The ESH type mechanically-operated mechanism with stored energy performs the opening and closing operations independently from that of the operator's actions. Mounted on a steel-wheeled carriage, the breaker can be horizontally withdrawn to the service, earth or fully withdrawn positions.

Raising and lowering of the circuit breaker is by means of a geared mechanism with a removable operating handle. Motorised raising and lowering of the circuit breaker is optional.

Secondary connections between the circuit breaker and the enclosure is by means of self-aligning isolating contacts, which are located on the inner right hand side of the circuit breaker compartment. Plug and socket type secondary connections are optional.

Breaking Technique

The HD4-LMT breaking technique is the SF6 autopuffer type, that prevents the generation of operating over voltages. This technique is based on a compression and self-blast method, wherein top performance is achieved at all service-current values with minimum arcing time and gradual arc extinction without chopping, that prevents any re-striking and operating over voltages.

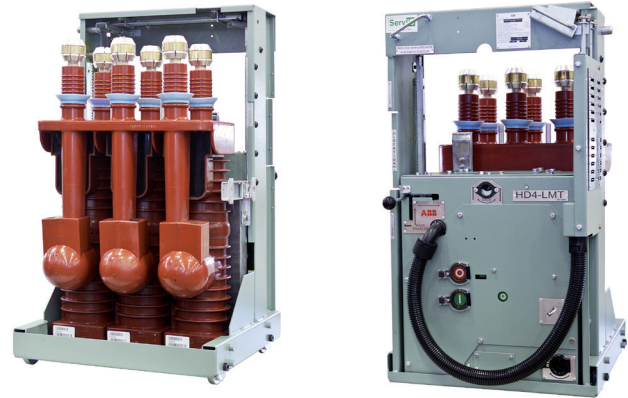
Interlocks

Safety is ensured by simple positive interlocks which will prevent:

- Racking up or down of a closed circuit breaker.
- Moving of a circuit breaker unless it is fully lowered.
- Locating of a circuit breaker in any other position than the one selected.
- Closing of a circuit breaker unless it is fully raised or fully lowered.
- Closing of a circuit breaker when fully raised unless the required secondary connections are made.

Feature Benefits

- Can be retrofitted to any Reyrolle type LMT, LMS, LSR, LMR, LMVP switchgear panel.
- Sealed for life poles.
- Manual or motorised mechanism.
- 10,000 mechanical operations.
- Maintenance free circuit breaker poles.



HD4-LMT 1250A

Technical Specifications

Standards	IEC 62271-100, CEI 17-1 (File 1375) & CENELEC HD 348 S6
Operating Sequence	Rapid re-closing cycle (0-0,3s-C0-3min-C0)
Rated Frequency fr (Hz)	50 / 60
Impulse Withstand Voltage Up(kV)	95

Type Rated	Rated Current Ir(A)	Rated Voltage Ur(kV)	Withstand Voltage Ud (1 min)(kV)	Rated Breaking Capacity Isc(kA)	Making Capacity Ip(kA)	Rated Short Time Current Ik(kA) 3sec
HD4-LMT 1250	1250	12	28	31.5	80	31.5

For more information please contact:
ABB South Africa Power Products

Johannesburg

Tel: +27 10 202 5000

Fax: +27 11 579 8000

Cape Town

Tel: +27 21 506 7700

Fax: +27 21 506 7711

Secunda

Tel: +27 17 634 4953

Fax: +27 17 634 2609

Durban

Tel: +27 31 533 7200

Fax: +27 11 236 8532

Port Elizabeth

Tel: +27 41 365 4125

Fax: +27 41 364 0868

E-mail: sales@abb.co.za

Internet: <http://www.abb.com/heritage>

Web Enquiries: <http://abbppmv-za.custhelp.com>

ABB Sharecall: +27 10 202 6995

ABB Maxicall: 0861 488 488 (24-hour Technical Support)

Power and productivity
for a better world™

