

Switches

Disconnectors

LTHM/P-U/D line

Applications

Traction circuit configuration change in multi-system locos

Isolation of power converter

Isolation of traction motors

Microelettrica Scientifica disconnectors, supplied both in the electromotorized and in the pneumatic versions, are designed to be employed in circuits up to 4 kV. Their current ratings, up to 1500 A per pole, allow them to fit almost all the applications. Their contact technology, based on multi-finger jaws, enables the LTHM and LTHP contactors to withstand consistent dynamic currents (up to 220 kA). Microelettrica Scientifica's effort in designing a product range with reduced space outline, sturdy structure and a long mechanical life (over 100,000 operations), has led to a worldwide success in railway applications.

- Poles can be connected in parallel to obtain higher thermal currents on single contact (up to 6,000 Amps)
- On D versions, poles can be reversed forming NC poles, or single-double pole changeover without additional structure
- On D versions, additional upper structure is available to create 1 to 4 changeover poles
- 24 combinations are available with more than 130 pole configurations
- Several options available for control circuits and for auxiliary contacts connection
- Integrated solutions: multiple switches are assembled on frame with customised busbar system and integrated control circuits

General Characteristics

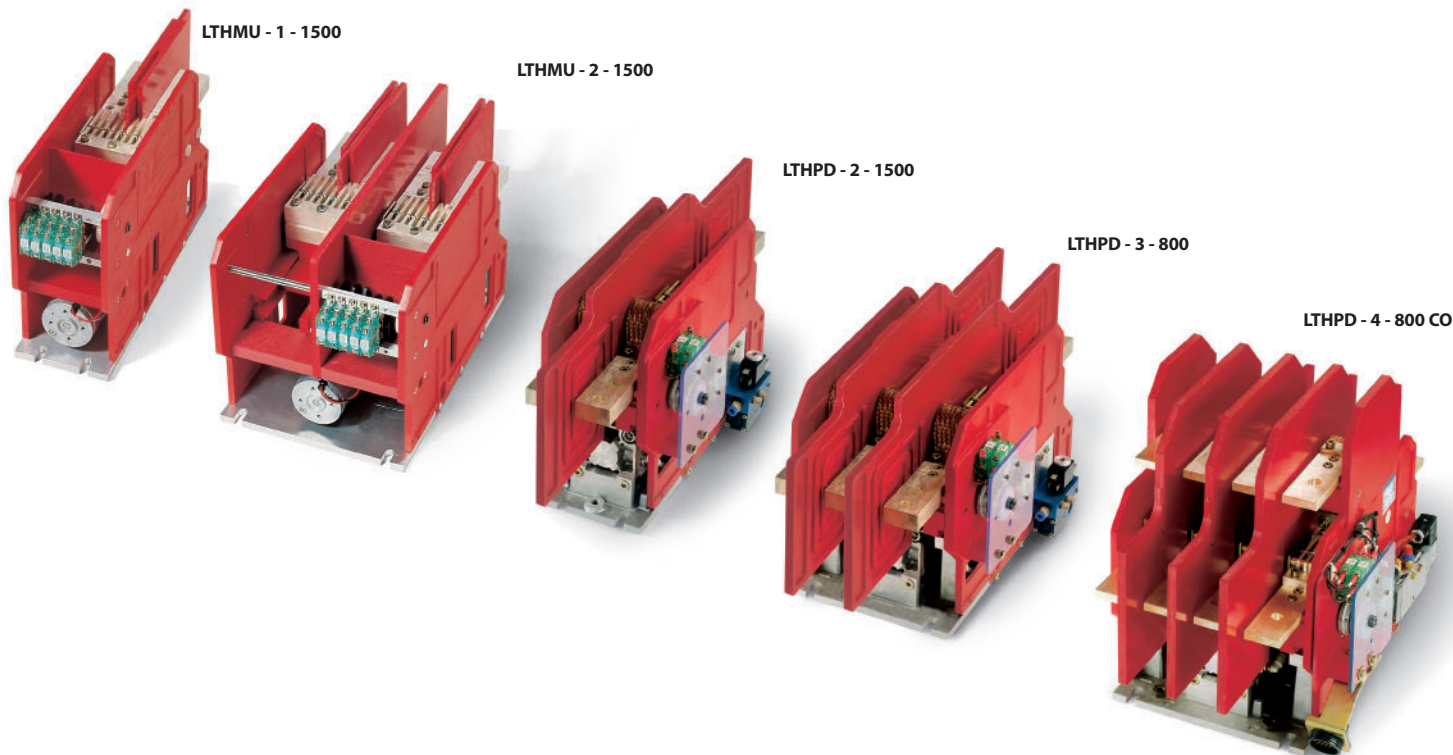
- The long experienced heavy duty line for DC and AC application up to 4000V
- On board and stationary application, 2 thermal current rating per pole: 800 or 1500A
- Normally open, normally closed, changeover poles from 1 to 4 poles units with single control
- Electric DC motor or pneumatic cylinder control, with customized auxiliary contacts execution
- High customization level is possible and mostly used
- Integrated multifunctional units designed and customized on request



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Auxiliary Connections

- To meet all customer requirements, special connections and cabling can be supplied both on the high voltage and on the low voltage circuits. On the HV side, poles can be connected in series or parallel. Terminals can be shaped according to customers' requirements
- LV circuits can be cabled to perform different logical functions. Any kind of connector available in commerce can be fitted to these circuits

LTH	M	U	1	800
LTH	M	U	1	1500
LTH	M	U	2	800
LTH	M	U	2	1500

LTH	P	U	1	800
LTH	P	U	1	1500
LTH	P	U	2	800
LTH	P	U	2	1500

LTH	M	D	1	800
LTH	M	D	1	1500
LTH	M	D	2	800
LTH	M	D	2	1500
LTH	M	D	3	800
LTH	M	D	3	1500
LTH	M	D	4	800
LTH	M	D	4	1500

LTH	P	D	1	800
LTH	P	D	1	1500
LTH	P	D	2	800
LTH	P	D	2	1500
LTH	P	D	3	800
LTH	P	D	3	1500
LTH	P	D	4	800
LTH	P	D	4	1500

- M/P: Electromotorized or Pneumatic bistable control
- U/D: Power terminals on same side or on opposite side
- 1/2/3/4: Number of poles
- 800/1500: Thermal current of each pole (in Amps)



KNORR-BREMSE



Microelettrica Scientifica

Microelettrica Scientifica S.p.A. Via Alberelle, 56/58 20089 Rozzano - Italy
 Tel: +39 02 575731 Fax: +39 02 57510940 - sales.contactors@microelettrica.com
 www.microelettrica.com