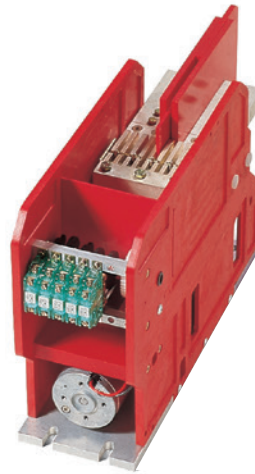


Switches

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, available both in electromotorized and in pneumatic versions, are designed to be employed in circuits up to 4kV. Their current ratings, up to 1500A per pole, allow them to fit almost all applications. Their contact technology, based on multi-finger jaws, enables the LTHM and LTHP disconnectors to withstand consistent dynamic currents (up to 220kA). Microelettrica Scientifica's effort in designing a product range with reduced space outline, sturdy structure and a long mechanical life (over 100000 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 6000 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 applications up to 4000V
- On-board and stationary applications, 2 thermal current ratings 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 available and mostly applied
- Integrated multifunctional units designed and customized on request

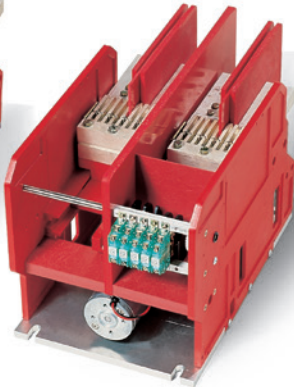
Switches

Disconnectors: LTHM/P-U/D Line

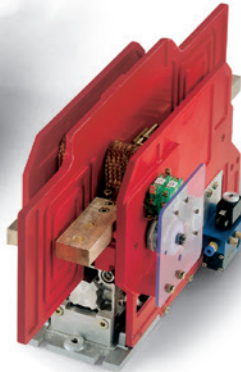
LTHMU - 1 - 1500



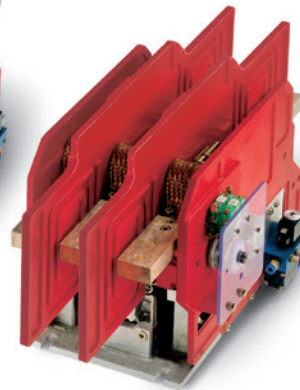
LTHMU - 2 - 1500



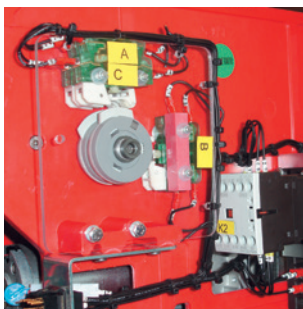
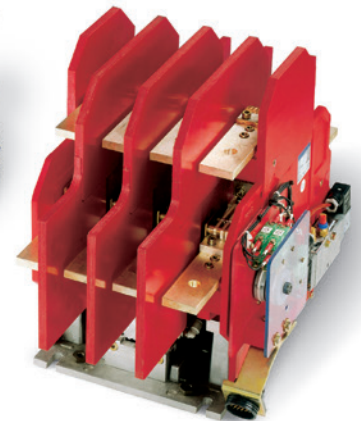
LTHPD - 2 - 1500



LTHPD - 3 - 800



LTHPD - 4 - 800 CO



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