

Switches

Contactors

LTHH/LTE/LTP line

Applications

Auxiliary converter input

Filter pre-charging

Capacitor discharging

Heating/Air conditioning systems

Line contactor

Train supply line

Resistors based traction systems, for starting and braking of electric motors

The Microelettrica Scientifica LTHH/LTE/LTP Series contactors for electric traction are supplied to railways and underground systems throughout the world.

Where high voltage ratings are required, the LTHH Series contactors are the right solution.

The creepage and clearance distances are widely dimensioned for safe application in polluted ambients. Their narrow outline is especially conceived for applications where space is a critical issue - as more and more often happens on railway vehicles.

To meet all possible applications, they are available both with electric (LTHH/LTE) and pneumatic (LTP) control, and poles can be manufactured in normally open or normally closed configurations.

The indirect blow out circuit makes the LTHH contactors suitable to work both with high and low currents and with relatively high frequency (1500Hz).

The DC control coil operates without economy resistor within a wide working range.

More than 10000 LTHH contactors are delivered worldwide every year for the most demanding projects and applications.

General Characteristics

- The higher voltage single pole heavy duty line, up to 4000V_{DC/AC} application, up to 1350A/pole
- On-board and stationary applications
- Multipole assemblies, NO and NC poles, indirect arc blow out
- Flexible control and auxiliary contacts options, high unit customization available



Auxiliary Contact Blocks Type SJ11

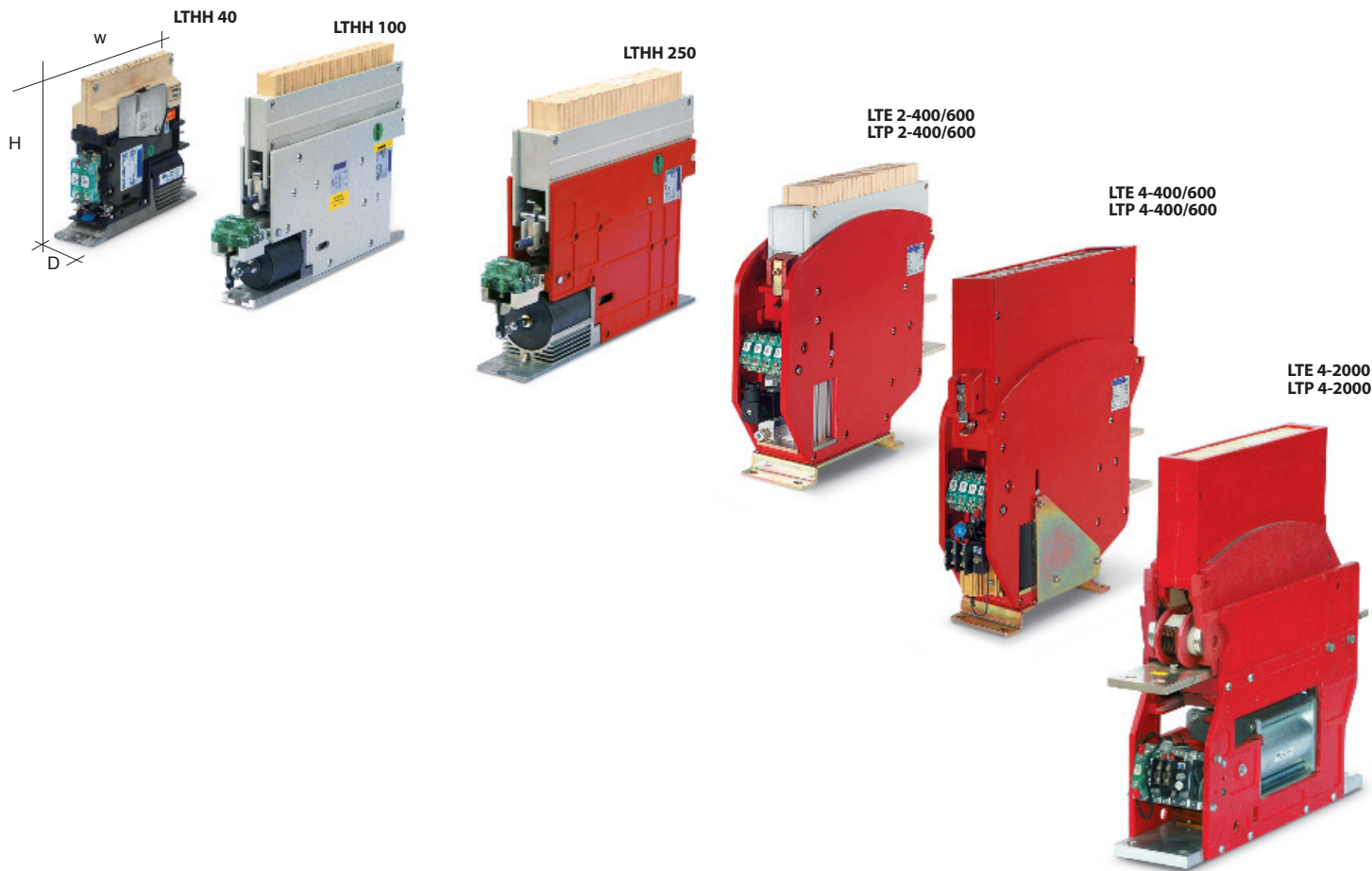
- Normally mounted on LTHH contactors and on disconnectors/changeovers
- Execution in Makrolon, self extinguishing and transparent polycarbonate
- Double interrupting, self cleaning, solid silver, snap action contacts
- On request, special execution with gold plated contacts



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Contactors: LTHH/LTE/LTP line



Type	U _{max} [V _{AC/DC}]	I _{th} [A]	W [mm]	H [mm]	D1/D2 [mm] (1/2 poles)
LTHH 40	2000	60	200(D1)/244(D2)	162.5(D1)/174.5(D2)	48/106
LTHH 100	4000	120	377(D1)/410(D2)	274(D1)/279(D2)	60/130
LTHH 250	4000	300	380.5(D1)/424(D2)	297(D1)/302(P2)	70/160
LTE 2-400	2000	900	428	367	80/-
LTE 2-600	2000	900	430	370(D1)/365(D2)	80/220
LTP 2-400	2000	900	402	367	80/-
LTP 2-600	2000	900	402	370	80/-
LTE 4-400	4000	900	429.4(D1)/379.3(D2)	394	85/175
LTE 4-600	4000	900	429.4	423	85/-
LTP 4-400	4000	900	402	394	85/-
LTP 4-600	4000	900	402	423	85/-
LTE 4-2000	4000	1350	501	473	119/-
LTP 4-2000	4000	1350	501	473	151.5/-



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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