

Switches

Contactors

LTHS line

Applications

Line contactor

Power or auxiliary converter input

Filter pre-charging

Traction motors on-load disconnection

Electromagnetic brakes

Heating/Air conditioning systems

Microelettrica Scientifica contactors for railway applications are designed to be used on electrical equipment in presence of the most severe shocks and vibrations, which occur on board of traction vehicles.

The LTHS series of contactors displays a traditional design which enables them to withstand the highest current ratings in harsh working conditions.

To accomplish most of the possible applications, all the LTHS series contactors can be manufactured in single or multipolar form and, upon request, allow a very high degree of customisation. For example, versions with normally open or normally closed poles are manufactured, and mechanical latching can be supplied. In order to work efficiently both with high and low currents, the contactors are equipped with indirect blow out circuit. This arc-extinguishing technology allows to work indifferently both in AC and DC. The DC control coil operates without economy resistor within a wide working range. A “varistor” cuts off the peak voltage when the coil is deenergized.

More than 20.000 LTHS contactors are delivered worldwide every year for the most important projects.

General Characteristics

- The long experienced extra heavy duty flexible line, up to 2000V_{DC/AC} application, up to 1500A/pole
- On board and stationary application
- Combination of up to 3 NO or NC poles and auxiliary contact options
- High unit customization possible



Auxiliary Contact Blocks Type sk11

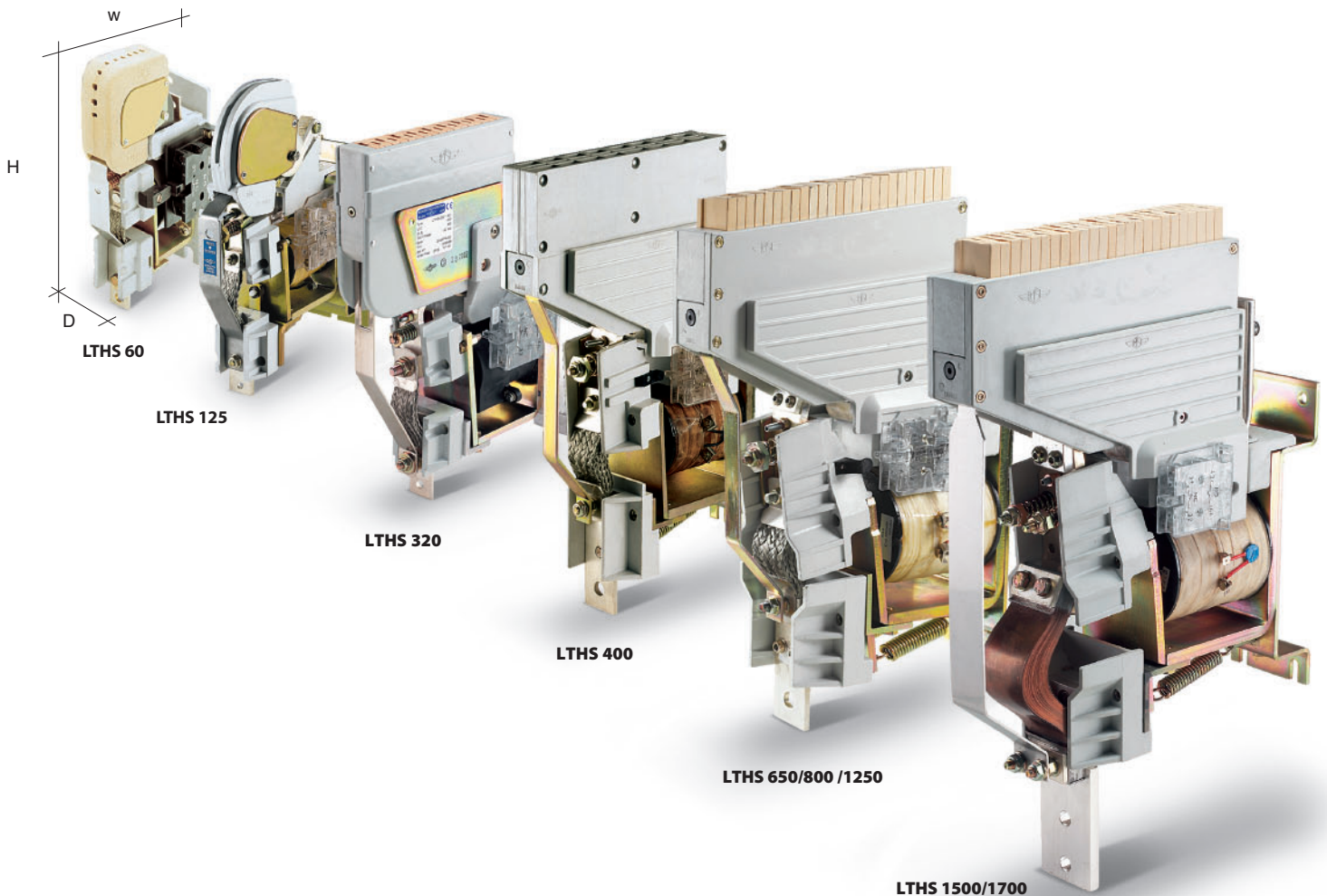
- Normally mounted on LTHS and LTC contactors
- Execution Makrolon, self extinguishing and transparent polycarbonate to allow contactors inspection
- Double interrupting, self cleaning, solid silver
- On request special execution with gold plated contacts



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Type	U _{max} [V _{AC/DC}]	I _{th} [A]	W [mm]	H [mm]	D1/D2 [mm]
LTHS 60	1000	80	143	197	72/93
LTHS 125	1000	150	185	278	88/115
LTHS 320	1000	350	220	298	86/114
LTHS 400	2000	500	329	423	116/202
LTHS 650/800	2000	700/920	335	440	116/202
LTHS 1250	2000	1300	350	472	127/202
LTHS 1500	2000	1350	350	534	111/202
LTHS 1700	2000	1600	350	534	116/235



KNORR-BREMSE



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