

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 conditions, such as shocks and vibrations, which occur on on-board traction vehicles.

The LTHS Line 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 contactors can be manufactured in single or multipolar form and, upon request, allow a very high degree of customization.

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 in AC as well as 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 de-energized.

More than 20000 LTHS contactors are delivered every year for the most demanding projects and applications worldwide.

General Characteristics

- The most experienced extra heavy duty line
- Designed for on-board applications according to IEC 60077
- Ratings up to 2000 VDC/AC and up to 1600 A/pole application
- Direct or indirect arc blow-out systems available according specific application requirements
- Multi-pole combination up to 4 NO or NC poles
- Very high level of customization available



Auxiliary contact blocks type SL11

- Up to 4 blocks normally mounted on LTHS contactors
- 1 NO + 1 NC or 2 NO block versions available
- Made in self-extinguishing Latamid polyamide that guarantees high electrical and mechanical
- Performances as well as very low temperature resistance
- Double interrupting, self-cleaning, solid silver contacts
- On request special execution with gold plate contacts



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LTHS 125	1000	150	185	276	86/114
LTHS 320	2000	350	220.5	300.5	86/114
LTHS 380	2000	380	220.5	300.5	86/114
LTHS 400	2000	500	329	423	115.5/202
LTHS 650/800	2000	700/920	335	438(D1)/441(D2)	119/206.5
LTHS 1250	2000	1300	350	473(D1)/476(D2)	127.2/206.5
LTHS 1500	2000	1350	350	533.5(D1)/536.5(D2)	111/215
LTHS 1700	2000	1600	350	533.5(D1)/536.5(D2)	127/235



KNORR-BREMSE



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