

LTX line

LTX contactors combine the typical robustness of Microelettrica Scientifica products with new and advanced concepts in electric arc breaking. They represent the right solution where high voltage rating, high thermal current and high breaking capacity are required. Specifically, they incorporate the traditional arc-chute design based on ceramic fins with an innovative blow-out system that enhances the contactor's breaking capacity and guarantees the maximum breaking reliability over the entire range of currents. The opening mechanism enhances the LTX's breaking and insulating performances, thanks to a fast opening speed and the highest distance between open contacts available on the market.

This allows to achieve the highest performances and reliability demanded by the railway and industrial markets.

Creepage and clearance distances designed to withstand voltages over 4 kV allow a safe use in polluted environments.

The main power terminals are conceived to match all busbar and cable interfaces. This, combined with an extremely compact outline, reduces all efforts of integration and installation.

The control circuit called "ECOBoost" has an energy saving function during the holding phase, to minimize energy consumption.

It extends the control range to cover a wide variety of railway LV control ratings, without need of coil customization or external DC/DC converters, and is not sensitive to any voltage or temperature oscillation. Its LV interface has two separate channels, for power and control.

The contactor's feedback circuit is based on up to four IP67 auxiliary contact blocks, that are very resistant to pollution, dust and oxidation, and maximize the reliability of the feedback also under the lowest voltage and current conditions.

LTX is available in 1-pole and 2-pole configurations, and is based on a modular concept that allows to combine several types of main body and arc-chute, to adapt it to the current and voltage performances required by the application.

The LTX line is protected by International PATENT.

Applications

Railway substations

Industry contactors

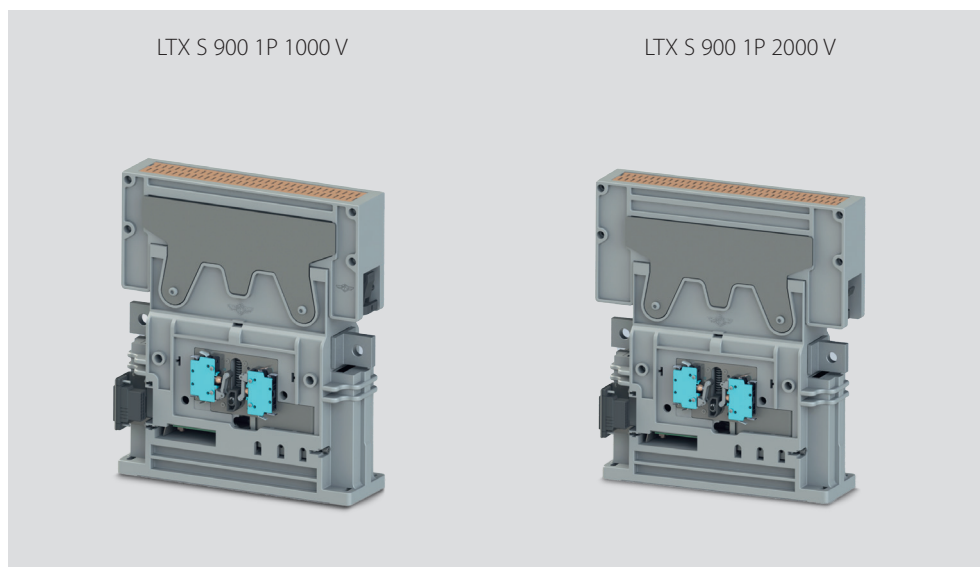
Filter pre-charging

Motors on-load disconnections

Electromagnetic brakes control

Heating/air conditioning systems

Renewable energy



GENERAL CHARACTERISTICS

LTX is the latest development resulting from Microelettrica Scientifica's long experience in railway and industrial applications

Its working principles are declined in a wide range of products that fulfill all application-related standards

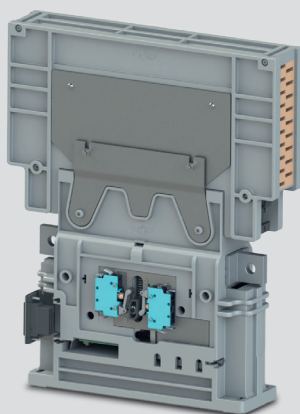
Ratings up to 4000 V_{DC/AC} and 900 A per pole

1-pole and 2-pole configurations

Highly customizable design

LTX	U _e max [V _{oc}]	I _{th} [A]	W [mm]	H [mm]	D [mm]
LTX S 900 1P	1000	900	113	345	300
	2000		113	360	320
	3600		113	440	360
LTX E 900 1P	1000	900	113	345	300
	2000		113	360	320
	3600		113	440	360
LTX B 900 1P	1000	900	113	345	300
	2000		113	360	320
LTX S 900 2P	1000	900	197	345	300
	2000		197	360	320
	3600		197	440	360
LTX E 900 2P	1000	900	197	345	300
	2000		197	360	320
	3600		197	440	360
LTX B 900 2P	1000	900	197	345	300
	2000		197	360	320

LTX S 900 1P 3600 V



STANDARD VERSION

Standard configuration 1 (a0 b0) auxiliary contact

+ 1 (a1 b1) auxiliary contact

LV connector type AMP 16 poles

OPTIONALS AVAILABLE

Different combination 2 (a0 b0) auxiliary contact

and 2 (a1 b1) auxiliary contact up to a total

of four auxiliary contact

LV connector from any brand