



ELHAND for the Railway Industry



ELHAND Transformatory is the leading manufacturer of inductive components for Railway, Marine, Oil & Gas, Mining and Power Electronics Industries. Our offer includes low and medium voltage transformers, reactors and filters dedicated to the most demanding applications.

Quality Supported by Certificates





TRANSFORMERS

Railway transformers are used to feed auxiliary devices. They often operate in harsh conditions such as high harmonics content and complex load cycles.



LEAKAGE TRANSFORMERS

Leakage transformers combine two functions in a single compact device. They ensure both galvanic separation and relatively high reactance which can be used as part of a sine-wave filter.



OIL TRANSFORMERS

Oil-immersed traction transformers are designed to work with 12-pulse rectifiers to create DC traction network.



AIR REACTORS

Air-core reactors are used to smooth the DC current ripple. Their advantage over core reactors is linear characteristic of inductance and lower weight, which makes them a perfect choice for the railway industry.



REACTORS & FILTERS

Single or three-phase reactors are used to reduce harmonics and improve power quality. Reactors are independent inductances or part of sine-wave or harmonic filters.



REACTORS IN SPECIAL ENCLOSURES

A set of a reactor and a dedicated enclosure mounted under the floor or on the roof of the train.



INTERPHASE TRANSFORMERS

Interphase transformers reduce unbalance between two six-pulse bridges of 12-pulse rectifiers.



SMOOTHING REACTORS

DC power reactors add inductance in traction network to provide smooth DC current by means of lowering ripples.



AC/DC POWER SUPPLIES

Universal, non-stabilized power supply for appliances in passenger and cargo compartments.

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