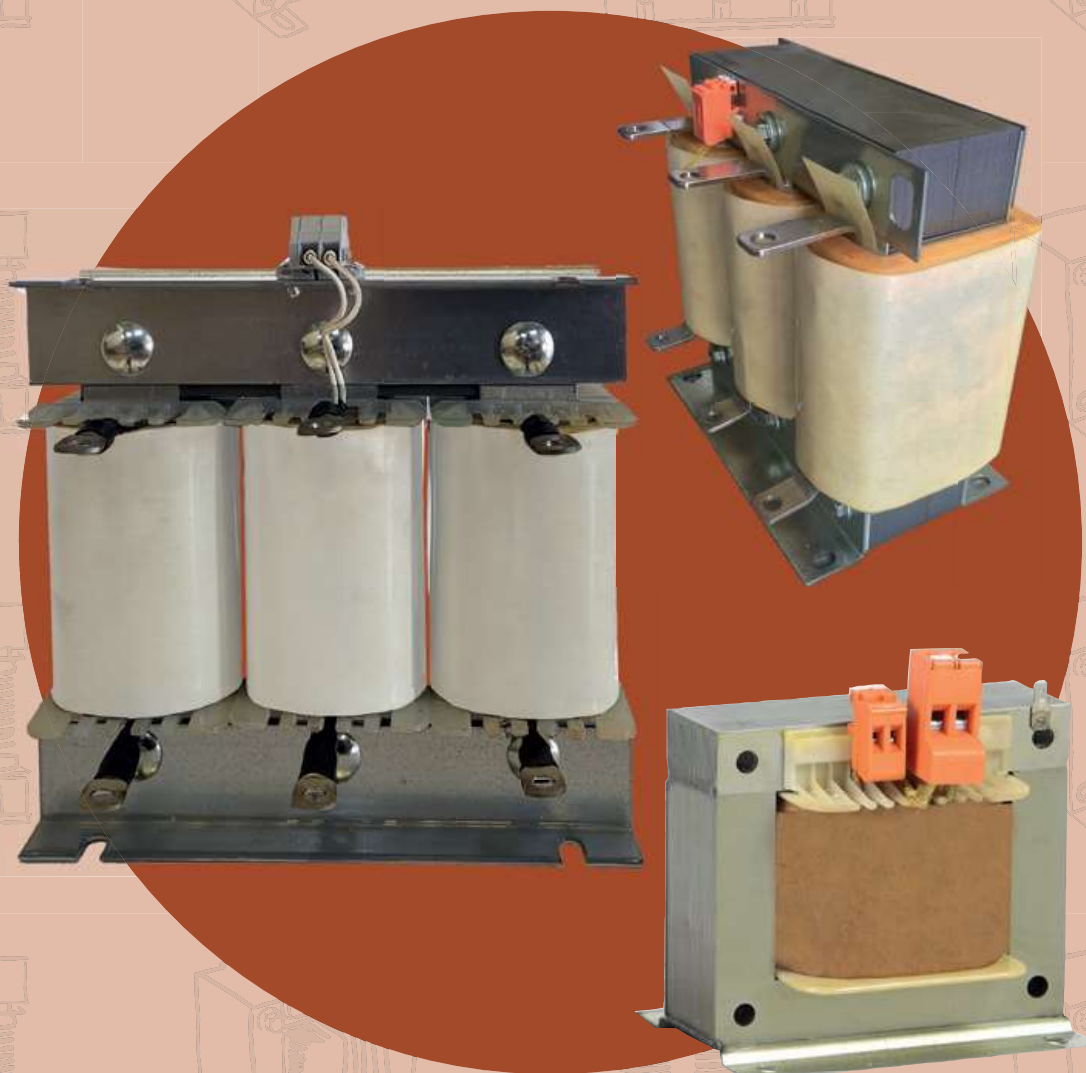


Filtering Reactors and Transformers



Transformer for railway applications

SIGNAL TRANSFORMERS

Main Characteristics

These transformers supply electrical cabinets in signaling housing by the railways sites.

- **Catenary input isolation transformers:** they provide galvanic isolation between the catenary side transformer and UPS cabinets. They used to be designed single-phase type.
- **Line input isolation transformers:** the provide galvanic isolation between the utility line and UPS cabinets. They are only used when there is no power in the catenary line.

- **Signaling housing supply transformers:** these transformers are used to supply electrical cabinets in signaling housing from a main station. To reduce the transmission losses, the voltage is stepped up at the station and stepped back down at the housing.

Construction and materials

- Highly permeable iron core, low losses.
- High quality copper or aluminium windings.
- Low losses, high efficiency.
- Vacuum impregnated varnish to ensure silent and moisture-immune operation.

Upon request

RTR's technical team offers the possibility of manufacturing equipment according to customer application need.

Standards

- IEC 60076
- UNE-EN 60076

Technical Characteristics

Operating frequency	50Hz
Primary/secondary voltages	230-6000V
Power	10kVA-800kVA
Isolation class	F class (155°C) (Optional H (180°C))
Isolation voltage	Up to 20kV
Max. temperature	40°C/ +60°C
IP protection	Up to IP54

