



TRACTION CONVERTER KIEPE TU 1200.01

FOR MODERNISATION OF A CLASS 321 EMU, UK

Compact power for regional and commuter trains

- Axle-selective drive
- Recuperable, 4-quadrant converter at the input
- Adaptation to existing vehicle interfaces
- SIL2 drive control with integrated wheel slide protection and anti-slip
- Integrated control of high-voltage equipment and transformer protection devices
- Reliable compatibility with Network Rail's strict requirements for interference current
- Fast and easy maintenance due to modular design
- 2 independent cooling circuits with integrated circulating pumps
- Compatible with RIA 12



KIEPE ELECTRIC

Technical Data

Electrical data

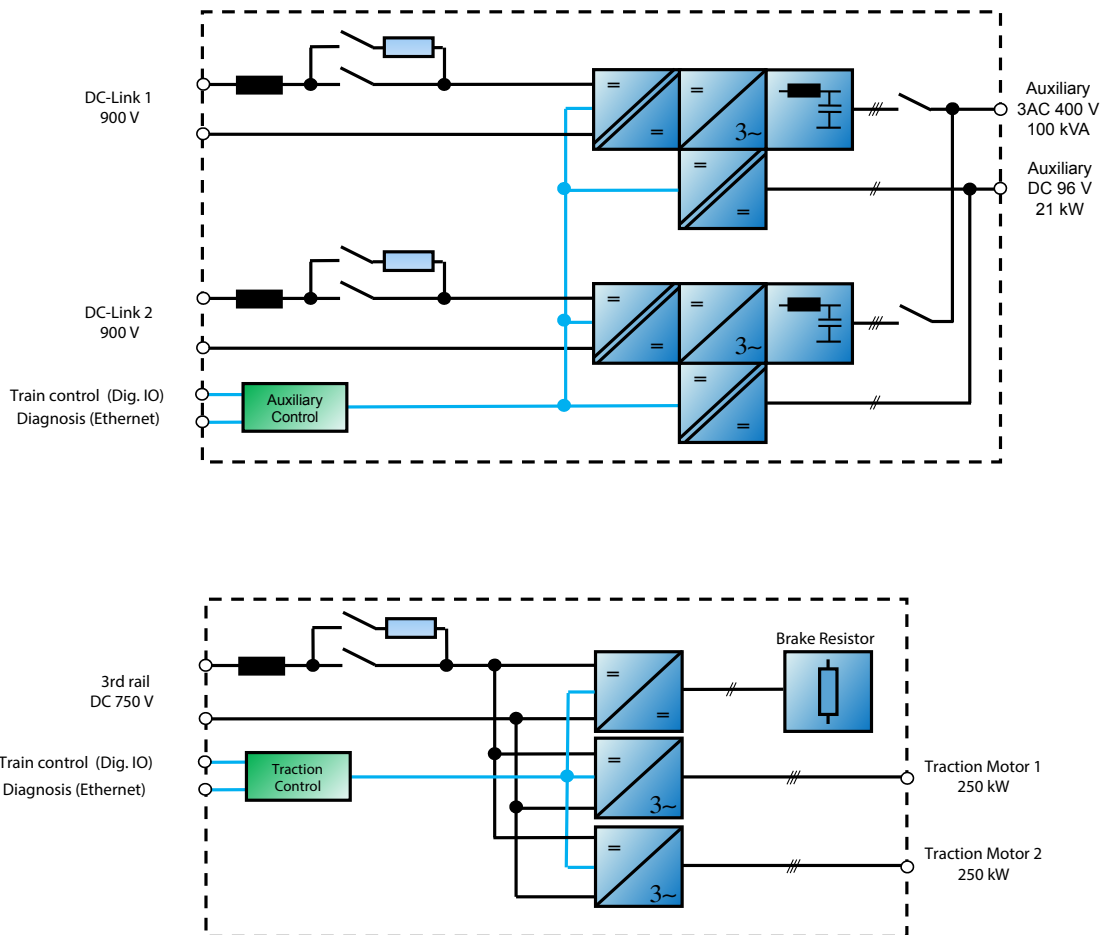
Input	
Nominal voltage	25 kV 50 Hz (via transformer 25 kV/4x460 V)
Operating range	16,5 – 27,5 kV AC
Motor output	
Nominal voltage	3AC 530 V
Nominal power (S1)	4 x 300 kW
Nominal current (S1)	384 A
Max. frequency	126 Hz

Mechanical data

Dimensions (length x width x height) (without terminal box, clamping shoes)	3500 mm x 2042 mm x 672 mm
Weight	approx. 2120 kg
Place of installation	Underfloor
Cooling	Water cooling
Degree of protection	IP 54
Temperature range	-25 °C to + 45 °C

Subject to modifications

Block Diagram



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