



AUXILIARY POWER SUPPLY KIEPE AU 120.01

FOR MODERNISATION OF A CLASS 321 EMU, UK

Powerful and efficient on-board power supply for regional and commuter trainss

- Medium-frequency electrical isolation
- Internal redundant design with parallel connection
- Adaptation to existing vehicle interfaces
- Reliable compatibility with Network Rail's strict requirements for interference current
- Fast and easy maintenance due to modular design
- Compatible with RIA 12



KIEPE ELECTRIC

Technical Data

Electrical data

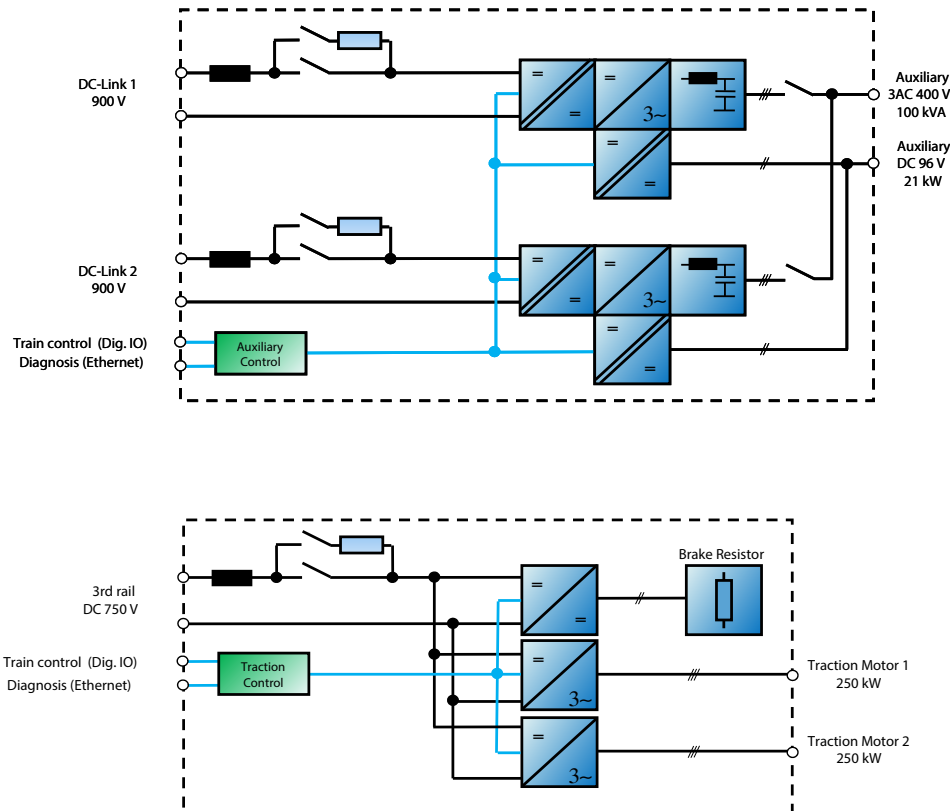
Input	
Nominal voltage	900 V DC (via intermediate traction circuit)
Auxiliary AC output	
Nominal voltage	3AC 400 V
Frequency	50 Hz
Nominal power	100 kVA
Harmonic factor	< 7%
Auxiliary DC output	
Nominal voltage	96 V DC
Battery charging voltage	Temperature-dependent characteristic
Nominal power	21 kW

Mechanical data

Dimensions (length x width x height) (without terminal box, clamping shoes)	2500 mm x 2000 mm x 600 mm
Weight	approx. 1350 kg
Place of installation	Underfloor
Cooling	Forced air cooling
Degree of protection	IP 54
Temperature range	-25 °C to + 45 °C

Subject to modifications

Block Diagram



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