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**INNOVATIONS
AND TRENDS**



Auxiliary converters for air-conditioning on traction vehicles



Auxiliary converter MK-15 is a built-in, tailor-made solution for HVAC compressors

Cegelec's auxiliary converters of the MK series are a built-in, tailor-made solution designed for the installation in air-conditioning units (HVAC) mounted on traction vehicles. No additional power supply is required for HVAC – direct feeding from trolley. The converters are based on the IGBT technology and powered by nominal traction voltage of 600/750 Vdc without any modification. The rated power is up to 22 kW. The concept consists of AC output without galvanic insulation for HVAC compressor equipped with LC sinus filter. Options: Short-term supply voltage dropout backup, DC output with galvanic insulation for ventilators, DC output without galvanic insulation for heating units. All outputs are short-circuit resistant.

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Subject to further change