



# *Pulse Width Modulated Inverter PWM 40*



## **APPLICATIONS**

All electrically driven trains with a traction inverter.

**KNORR-BREMSE**



# DESCRIPTION

The PWM 40 is a system component of the modular auxiliary power supply unit AU 1220, used in electrically driven trains. The energy is fed from the traction inverter DC link. The main component of the AU 1220 unit is a resonant converter for generating an isolated and controlled voltage to a DC bus bar. Depending on the vehicle requirements, different PWMs and battery chargers can be connected to the DC bus bar to provide controlled AC voltages. PWMs can be installed centrally in one container or distributed in the vehicle in individual enclosures.

## OPTIMIZED USE OF MATERIALS

- PWM is just one component of an APS unit
- APS unit itself uses medium-frequency technology for galvanic insulation, which minimizes material usage and weight

## ENHANCED MAINTAINABILITY

- PWM is one component of a modular APS unit
- due to their modularity, the different PWMs are easy to maintain and easy to exchange in the event of failure

## REDUCED EMISSIONS

- minimized noise emission thanks to speed-controlled fans

Disclaimer: We have prepared the product description with due care but cannot exclude any errors. The product description does not contain any warranty or guarantee, in particular neither regarding correctness, accuracy and completeness of contained information nor regarding quality, negotiability, adequacy for certain purposes and compliance with laws and patents of described products.