

## ULTRA WIDE INPUT

The new DC/DC converter family HFBC with an output power of up to 60 watt offers an ultra wide input voltage range between 14,4 and 154VDC. So these converters are suitable for all international on-board network voltages on rolling stock (24V, 36V, 72V and 110V) including the +/- 40% tolerance range requested under EN 50155. Autronic has solved this problem by means of a two-stage converter concept in which a high efficiency degree at the optimized work point is reached by combining booster and single forward converter .

All requirements of EN 50155 with regard to temperature, shock, vibration and other requirements as well as EMC according to EN 50121-3-2 are fulfilled. The converters have a 10 ms hold-up time (class S2). Ideally suitable are the wall-mounted open coated assemblies (146x100x32mm). The heat can be discharged directly to a case via the cooling plate.

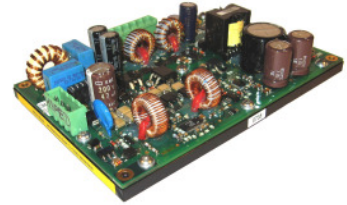
The converters are equipped with overvoltage protection and overtemperature protection as well as active reverse polarity protection with inrush current limitation. They are open-circuit stable, continuously short-circuit proof and can be switched-off externally. At the moment a single version with 24V output voltage and a dual version with 5V/12V are available. Other outputs are available on request.

For questions please contact:

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