

## HFC150W AND HEC150W – NEW POWERFUL RAILWAY CONVERTER

The brand new converters for wall mounting and 19" racks have an ultra-wide input voltage range between 14,4 and 154VDC with a power of 150 Watt. So one single converter suits for all international on-board power supply voltages for rail vehicles (24V, 36V, 72V and 110V) including the tolerance range of +/- 40% required according to EN 50155. This ultra-wide voltage range is an optimum solution for companies acting Europe-wide offering them the chance to qualify components cost-efficiently with one single converter.

With regard to temperature, shock, vibration and the railway-specific EMC criteria according to EN50121-3-2, as well as radiated emissions, surge, burst and ESD strict compliance with EN50155 is provided without additional components. Further, the converter has an integrated hold up time of 10 ms (class S2), which makes the powerful converter really unique. A high efficiency between 89...91% allows the HEC150W to run without any derating within the temperature range of -40...85°C according class TX.

Standard features are inrush current limitation as well as excess voltage and excess temperature protection, in addition, the converter is open-circuit stable and continuously short-circuit proof. The power supplies suits for redundant connection for safety-critical applications. A LED on the front panel indicates the operational readiness.

The chosen PCB material was based on the experience of fire & smoke tests according to EN45545-2.

The converter can be ordered now, available are both version with 24VDC out. Other outputs will be available on request.

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For any questions please contact:

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