



MTM POWER®

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## **DC/DC Converters with 14 W for railway applications**

The DC/DC converters of the series PMGS/PCMGS14 from MTM Power have been designed for transport and railway applications where low-ranged power is needed. The devices operate at a nominal input voltage of 72 VDC or 110 VDC and supply an output voltage of 24 VDC (12 VDC and 48 VDC on request) with a high efficiency of  $\geq 90\%$ . The PMGS/PCMGS14 are available with an input reverse polarity protection by a series diode and are continuous short circuit protected.

The converters operate at an ambient temperature range of  $-25$  to  $+70$  °C (EN 50 155, class T3), fulfill the safety standards acc. to EN 50 155, EN 50 124-1 and meet the EMC requirements acc. to EN 50 121-3-2. The converters are designed to withstand interruptions of the supply voltage up to 10 ms and thus, comply with class S2 acc. to EN 50 155.

Depending on the application, they can be used for print (PMGS) or chassis mounting (PCMGS). Optionally, they are available for DIN rail mounting. Depending on the model, the dimensions are 76,0 x 50,7 x 22,7 mm (PMGS) or 110,0 x 50,8 x 23,0 mm (PCMGS). The vacuum encapsulated converters are maintenance-free, prepared for the use in devices with Protection Class II. They show a mechanically and electrically rugged design using SMD technology and undergo an automatic piece-by-piece test.

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