



**SAFELY  
CHARGED**

■ Transportation Solutions

# USB Charging Systems

**Smart solutions for  
charging mobile phones and  
tablets on rail vehicles**

Comply with the standards EN 50155,  
EN 50121-3-2, EN 61373 and EN 45545-2

## USB Charging Systems



### Socket-outlets with built-in USB charger

- AC 250 V 16 A socket with mechanical protection against accidental contact (shutter)
- Connector type F (CEE 7/3)
- 2 USB-A charging ports with max. 2,4 A
- Fast charging regardless of the brand of the mobile phone or tablet
- Temperature range -25 °C to +55 °C
- Stand-by consumption  $\leq$  50 mW
- VDE certified
- Available in pure white glossy and anthracite



### USB charging sockets DC 24 V

- Supply voltage DC 24 V
- 2 USB-A charging ports with max. 1,5 A each
- Fast charging regardless of the brand of the mobile phone or tablet
- Temperature range -40 °C to +70 °C
- Efficiency 90 %
- LED status indication per port
- Y-type pluggable terminal
- Optional with protection cap IP65



### USB charging system DC 24 - 110 V

- Consists of a DC/DC converter and suitable charging cables with 2 USB-A ports
- Wide range supply voltage DC 24 – 110 V
- Output current 2,1 A per port
- Complies with USB Battery Charging Specification Rev 1.1 (DCP)
- Temperature range -40 °C to +70 °C

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