



Audiocast Amplifier

Digital and redundant design

The FELA digital audio amplifier, featuring LAN and UIC interfaces, enables a fail-safe passenger audio system. The system is designed with redundancy; the power supply and amplifiers are duplicated and provide a total of four individually controllable audio channels, each delivering 50 watts of power. Two separate DC/DC converters ensure enhanced safety in the power supply. This reduces the number of devices required.

The amplifiers are connected directly via LAN and can also be controlled via a UIC interface to broadcast priority announcements. Thanks to their clever, robust design, the amplifiers can be installed in even the smallest of spaces, regardless of their orientation.

Compliance with the EN 50155 and 45545-2 standards, as well as the TSI LOC&PAS and CE/RED, greatly simplifies the approval process. The FELA amplifier provides rail operators with a cost-optimised solution for both new and retrofit projects.

Benefits

- Four individually controllable audio channels
 - Total power output of 50 watts (4 × 12.5 W)
 - Control via LAN and UIC interface
 - Redundancy in accordance with the LOC&PAS TSI
 - EN 50155, EN 45545-2 and CE-RED compliant
 - Low cost for an optimal solution
 - As a SIP client in an existing PANSystem possible
 - USB port helps with servicing
- Other important points:
- Compact design, ideal for installation
 - Quick and easy installation and removal



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Technical Data

■ Power supply	Versions: 24V, 36V, 110V
■ Power Interruption	Class S1 (EN 50155))
■ Power Consumption	Standby: 3W nominal; Operation: 5W and amplifier output power
■ Operating Temperature	Temperature Class T3 acc. to EN 50155
■ Audio Amplifier	50W, (4 x 12.5W) at 4Ω
■ Speaker impedance	4Ω, 8Ω, 16Ω
■ Ethernet	Fast Ethernet, 100 Base-TX/ IEEE 802.3
■ Protection Class	IP40
■ Weight	900g
■ Dimensions	Width 137, height 46, depth 124.3 mm
■ Construction	Metal housing made of aluminium and stainless steel



Subject to Availability, Technical Changes, Prices, Missprints, Omissions and Errors.

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