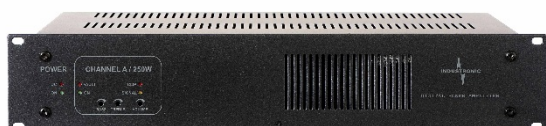


250 DVE 13

Digital Power Amplifier 250 W 100 V



Features and Functions

- 250 W continuous output
- Up to 7 kHz audio bandwidth with digital input
- Advantages of a digital power amplifier:
 - High efficiency
 - Low emergency power demand
 - Long durability
- Flexible triggering due to
 - Digital input
 - Balanced analog input
- Freely configurable
- Optimized according to DIN EN 50849 or VDE 0828 as well as EN 54-16

The 250 DVE 13 digital power amplifier is part of the INDUSTRONIC communication and public address system with digital interfaces. The amplifier provides integrated monitoring functions and is especially designed for use in sound systems for emergency purposes according to the DIN EN 50849 or VDE 0828 as well as the EN 54-16 standard.

Components

- Robust sheet steel housing
- Solid power supply
- Digital output stage
- Digital interface

Options

- Also available with 115 VAC (250 DVE 13/120, type no. 304-123-300/120)
- 2-channel version with 2 x 250 W output power (500 DVE 13, type no. 304-124-300)
- Zone selector (16 DCI 0x, 3 DRU 0x) to distribute the amplifier output to several speaker circuits

Mechanical Data

- | | |
|---------------------------------|--|
| • Design | 19" rack mounting |
| • Width x height x depth | 430 mm x 88 mm x 275 mm
(16.93" x 3.46" x 10.83") |
| • Dimensions of the front plate | 483 mm (19"), 2 RU |
| • Installation depth | Approx. 330 mm (approx. 12.99") |
| • Weight | 10 kg (22.05 lbs) |

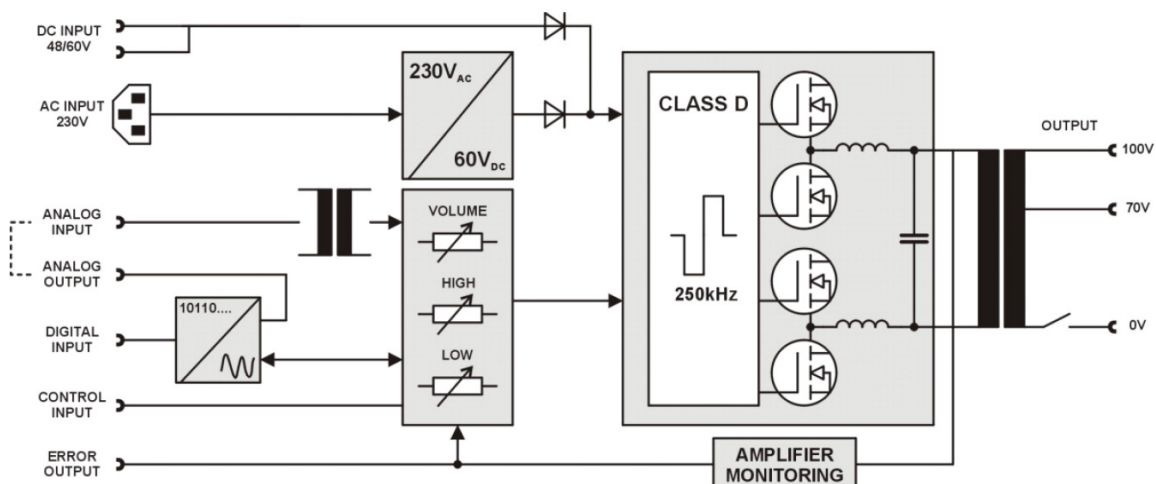


Fig. 1: Block diagram 250 DVE 13

Electrical Data

• Output power	250 W at 1 kHz sine wave
• Efficiency	> 80 %
• Distortion factor	< 1 %
• Signal-to-noise-ratio	> 80 dB
• Analog Frequency response	200 Hz to 15,000 Hz +/-3 dB
• AF input	0.4 V _{RMS} to 2 V _{RMS}
• Treble	+/-6 dB, 10,000 Hz
• Bass	+/-6 dB, 250 Hz
• Operating voltage	230 VAC +/-15%, 50 Hz to 60 Hz
• Emergency power	42 VDC to 72 VDC

Power Consumption (mains)

• Quiescent	7 VA
• Nominal power	315 VA

Current Consumption 60 V

• Quiescent	0.08 A
• Nominal power	5 A

Internal Fuses

• Mains supply	4 A M
• Emergency power supply	8 A T

Environmental Requirements and Standards		
• Ambient temperature during operation		-5 °C to +50 °C (+23 °F to +122 °F)
• Relative humidity (non-condensing)		Max. 95 %
• EMC		IEC/EN 61000-6-2 IEC/EN 61000-6-4
• Sound systems for emergency purposes		DIN EN 50849 or VDE 0828 EN 54-16

Order Data	Type	Type Number
	250 DVE 13	304-123-300
	250 DVE 13/120	304-123-300/120

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