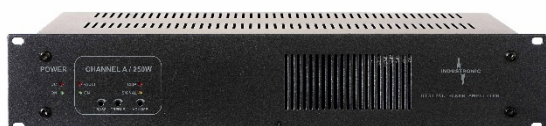


## 250 DVE 13

### 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 EN 60849 / 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 warning and alarm systems according to the DIN EN 60849 / VDE 0828 as well as the EN 54-16 standard.

#### Components

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

#### Options

- Also available with 115 VAC (250 DVE 13/120, no. 304-123-300/120)
- 2-channel version with 2 x 250 W output power (500 DVE 13, 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" slide-in chassis, 2 RU                        |
| • Width x height x depth        | 430 mm x 88 mm x 275 mm<br>(16.9" x 3.5" x 10.8") |
| • Dimensions of the front plate | 483 mm (19"), 2 RU                                |
| • Installation depth            | Approx. 330 mm (approx. 13")                      |
| • Weight                        | 10 kg (22.1 lbs)                                  |

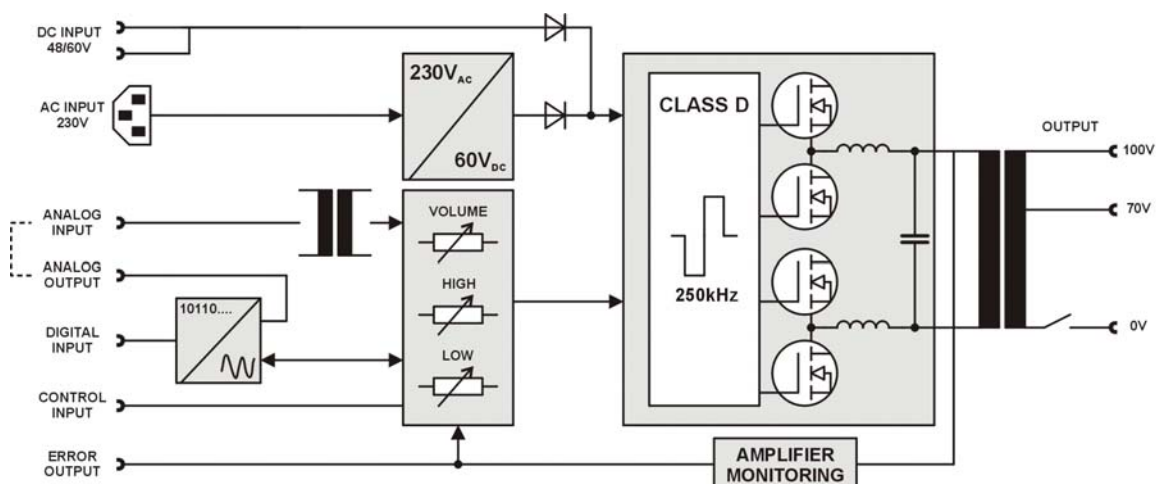


Fig. 1: Block diagram 250 DVE 13

### 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 to 2 V <sub>eff</sub>
	• 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 60849 or VDE 0828 EN 54-16

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**Order Data**

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**Type Number**

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304-123-300

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