

Data sheet

Electronic Ignition Units EBI4, 120 V Series

Application



The EBI4, 120 V series is electronic ignition units for intermittent ignition between 2 electrodes or 1 electrode and frame in small and medium size oil or gas burners.

Low weight and small dimensions, due to high frequency operation, makes the EBI4, 120 V series very suitable for use in modern compact burners.

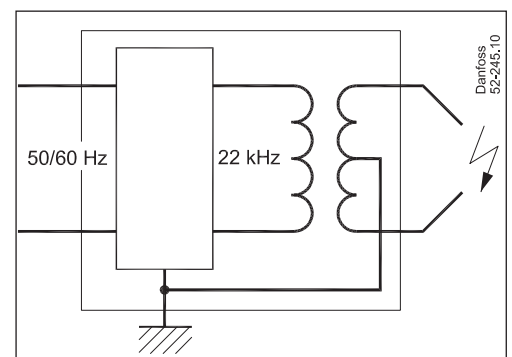
Connections with a plug on the primary side and bushings on the secondary side make installation and service quick and simple.

Applications and Features

- 1- or 2-pole ignition
- Low power consumption due to high efficiency (new technology)
- Earth connection through the primary cable or through the earth terminal on the side
- Same dimensions and flexible mounting as the well-known EBI3 series
- **CE**-marking in accordance with the directives: EMC, LVD, RoHS

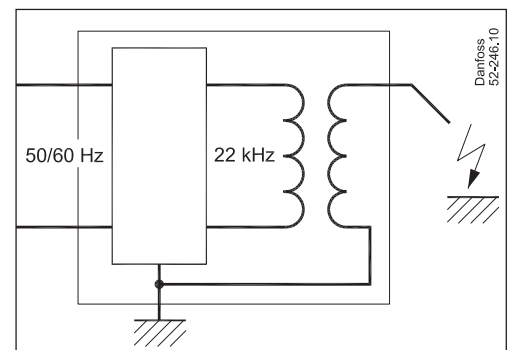
EBI4 M, 120 V

- Oil/gas burners
- 2-pole ignition
- Secondary mid-point connected to earth/frame
- 33% ED at 60°C
- Front connection for secondary cables
- 120 V



EBI4 1P, 120 V

- Gas burners
- 1-pole ignition between 1 electrode and frame
- 33% ED at 60°C
- Front connection for secondary cables
- 120 V



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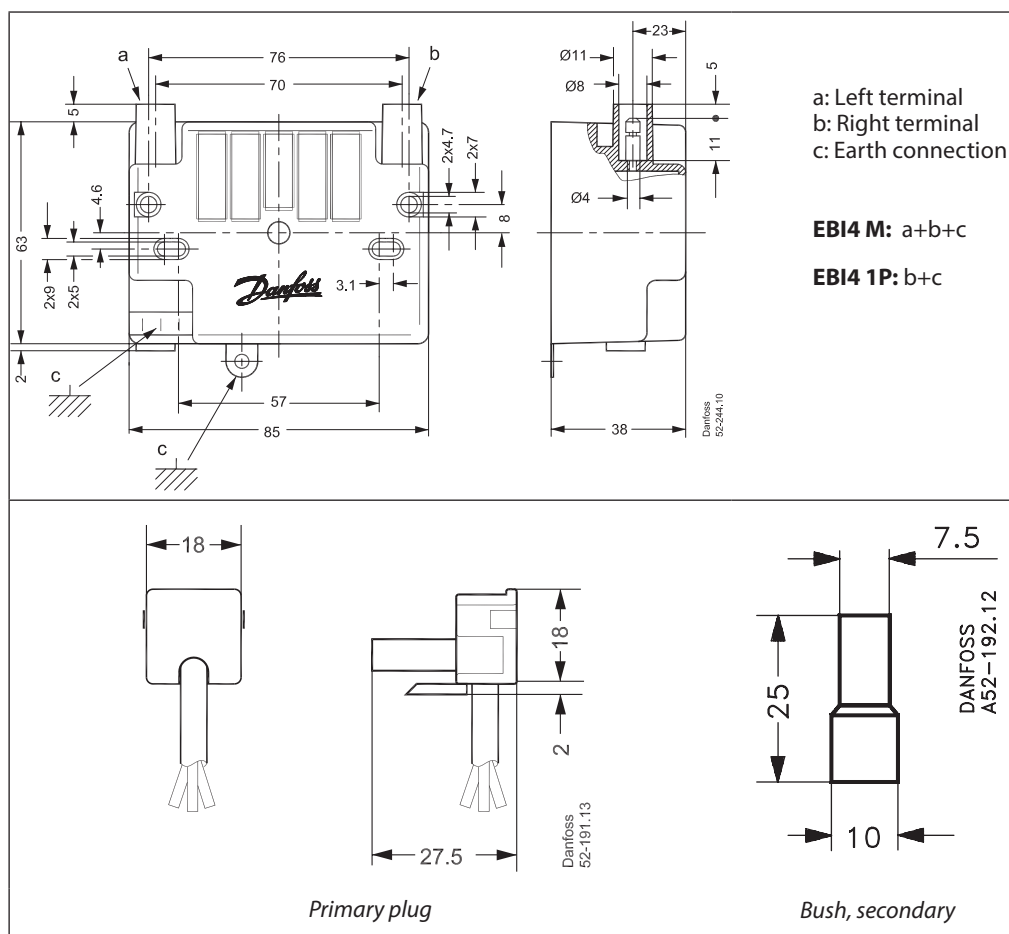
Electronic Ignition Units EBI4, 120 V Series

Technical data

Type	EBI4 M, 120 V	EBI4 1P, 120 V
Mains connection	120 V - 0.40 A - 50/60 Hz - 50 VA	
Working range	102 - 132 V	
Main fuse	max. 10 A	
Secondary connection* Short circuit current Frequency	2 × 7.5 kV amp. 40 mA (rms) 22 kHz	12 kV amp. 40 mA (rms) 22 kHz
ED in 3 minutes (cutting in)	33% at 60°C	
Ambient temperature	-10 to +60°C	
Storage temperature	-25 to +85°C	
Enclosure	IP 40 (not for secondary connections)	
Primary connection	3 × 0.5 mm ² cable with special plug	
Secondary connections	2 × Ø4 mm plugs	1 × Ø4 mm plugs
Earth connection	Through the primary cable or earth terminal on side	
Distance between electrodes	Recommended 2.5 mm to 5 mm	
Weight	235 g	

* Avoid use of divergent electrodes due to risk of electrical cable break down and too high ignition voltage.

Dimensions and connections



Additional documentation on burner components is available on <http://danfoss.com/>

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