

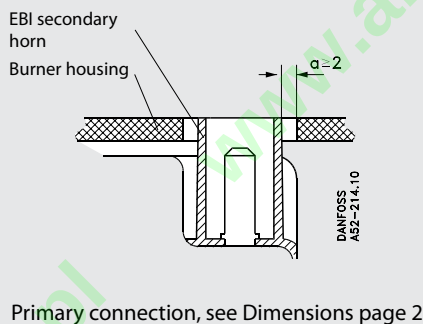
Electronic Ignition Units EBI Series



General Data Sheet

For specific information on this product, please contact Danfoss Burner Components

Connection



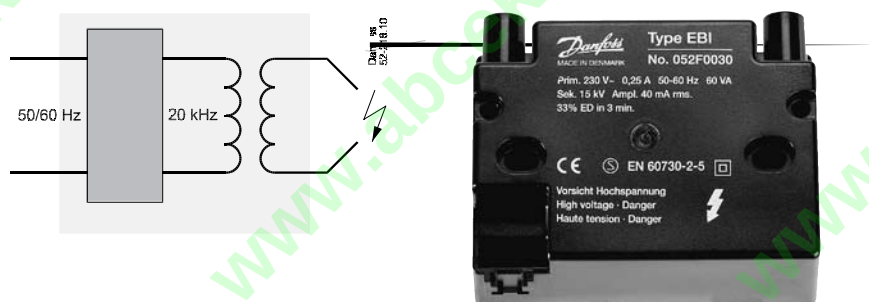
The EBI series is electronic ignition units for intermittent ignition between 1 or 2 electrodes in oil or gas burners.

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

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

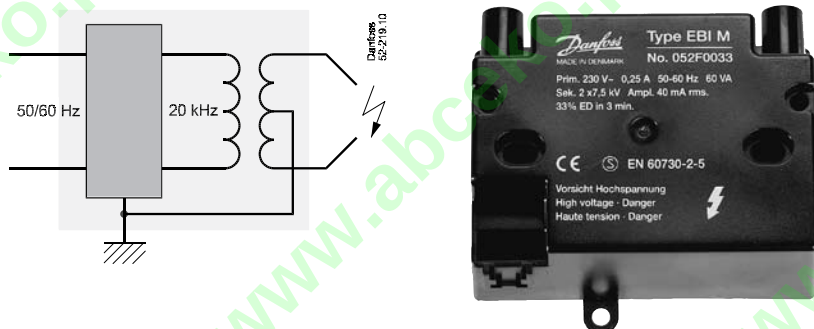
Applications and Features

- Reliable oil and gas burner ignition
- Complies with EMC standard EN 55014
- Easy installation and service



EBI

- Oil/gas burners in general
- 2-pole ignition
- Double insulated
- 33% ED at 60°C
- Top or front connection for secondary cables
- 230 V version



EBI M

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



EBI 1P

- Gas burners
- 1-pole ignition between 1 electrode and frame
- 33% ED at 60°C
- Top or front connection for secondary cables
- 230 V and 120 V versions

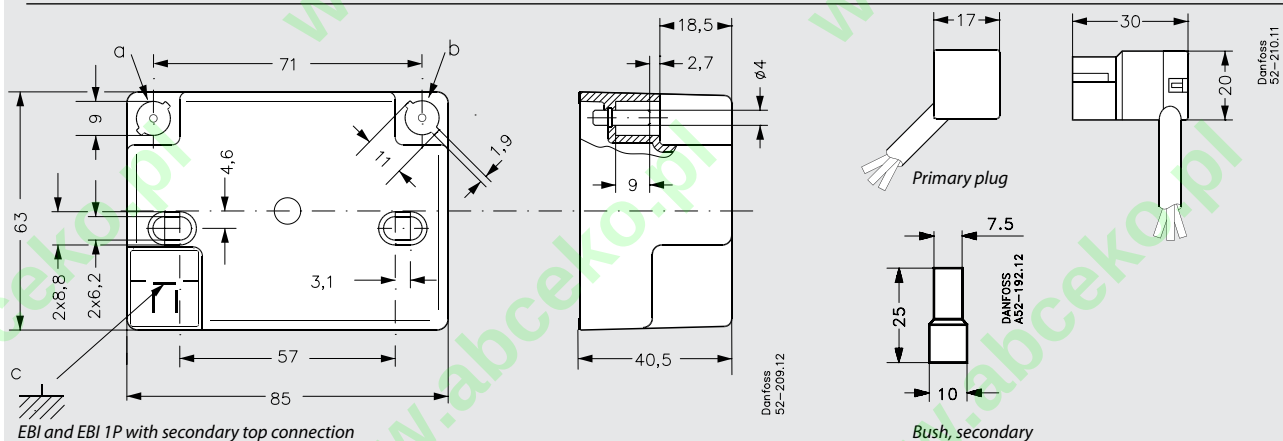
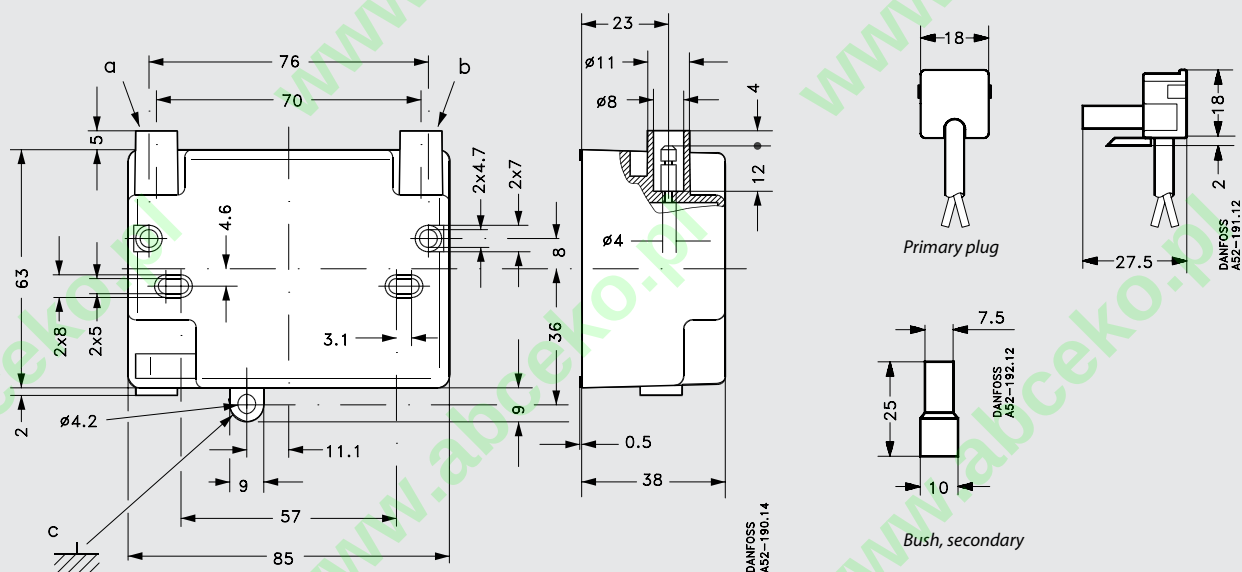
Technical Data

Type	EBI	EBI M	EBI 1P
Primary connection		230 V - 0.25 A - 50/60 Hz - 60 VA	
		120 V - 0.5 A - 50/60 Hz - 60 VA	version available
Working range		187 - 255 V	
Main fuse		max. 10 A	
Secondary connection	15 kV amp.	2 × 7.5 kV amp.	11 kV amp.
Short circuit current	40 mA (rms)	40 mA (rms)	50 mA (rms)
Frequency	20 kHz	20 kHz	20 kHz
ED in 3 minutes (cutting in)		33% at 60°C	
Ambient temperature		-10°C to +60°C	
Storage temperature		-25°C to +85°C	
Enclosure		IP 40 (Not for secondary connections)	
EMC (Generic Standard)		Emission EN 55014-1 Immunity EN 55014-2	
Primary connection		2 × 0.75 mm ² cable with special plug. Cables in 7 standard lengths from 180 mm to 630 mm 2 × 0.75 mm ² cable with standard AMP connection*	
Secondary connections		2 × Ø4 mm plugs	1 × Ø4 mm plugs
Earth connection		EBI M and EBI 1 P	
Distance between electrodes		Recommended 2.5 mm to 5.0 mm	
Weight		300 g	

* For EBI and EBI 1P with secondary top connection

Dimensions and Connections

EBI	EBI M	EBI 1P	a: Left terminal b: Right terminal c: Earth connection
a+b	a+b+c	b+c	



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