Data Sheet

Electronic Ignition Units EBI4 HP Series

Application

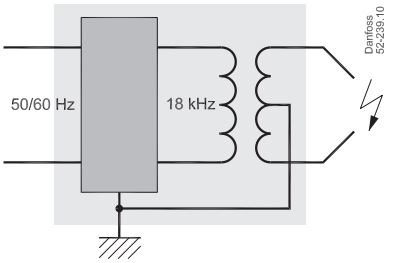
The EBI4 HP unit series is specially designed for applications where High Power ignition is required.

EBI4 HP1P is a 2-pole version with secondary mid-point grounded. EBI HP1P is a 1-pole version for ignition between one electrode and frame.

The units are characterized by a very powerful spark, capable of igniting large capacity oil and gas burners. They may also be used in applications where high ignition performance and reliability are required.

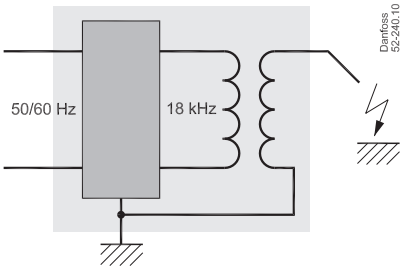
Applications and Features

- 1- or 2-pole ignition
- Low power consumption due to high efficiency (new technology)
- Complies with the RoHs and WEEE directives
- EMC according to EN 55014-1 and EN 55014-2
- Earth connection through the primary cable
- Same dimensions and flexible mounting as the well-known EBI series



EBI4 HPM

- Oil and gas burners requiring high power ignition
- 33% ED at 60°C
- Top or front connection for secondary cables
- 230 V



EBI4 HP1P

- Oil and gas burners requiring high power ignition
- 33% ED at 60°C
- Top or front connection for secondary cables
- 230 V

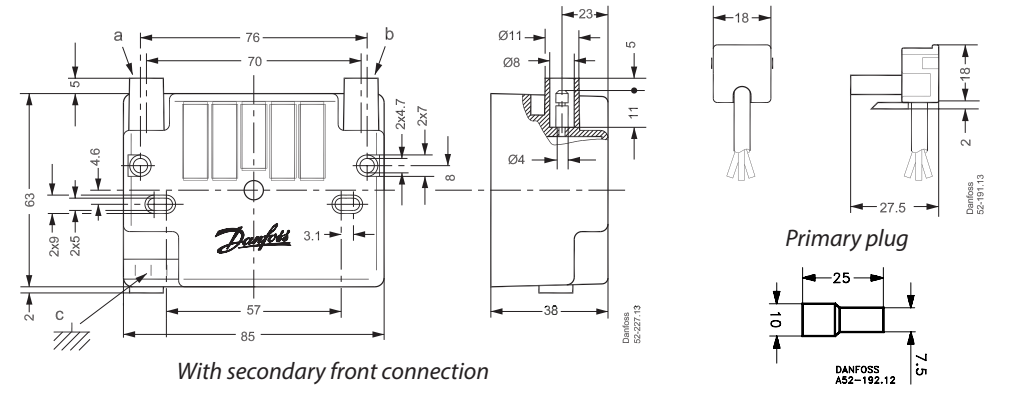
Technical data

Type	EBI4 HPM	EBI4 HP1P
Mains connection	230 V - 0.4 A - 50/60 Hz - 90 VA	
Working range	187-255 V	
Main fuse	10 A	
Secondary connection* Short circuit current (rms) Frequency	2 × 7.5 kV 48 mA 18 kHz	12 kV 48 mA 18 kHz
ED % in 3 min.	33% at 60°C	
Ambient temperature	-10 to +60°C	
Storage temperature	-25 to +85°C	
Enclosure	IP 40	
EMC (Generic Standard)	Immunity EN 55014-1 Emission EN55014-2	
Primary connection	3× 0.5 mm² cable with special plug 3 × 0.75 mm² cable with standard AMP connection	
Secondary connections	2 × Ø4 mm plugs	1 × Ø4 mm plugs
Earthing	Through the primary cable	
Distance between electrodes	Recommended 2.5 mm to 5 mm	
Weight	300 g	

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

Dimensions and connections

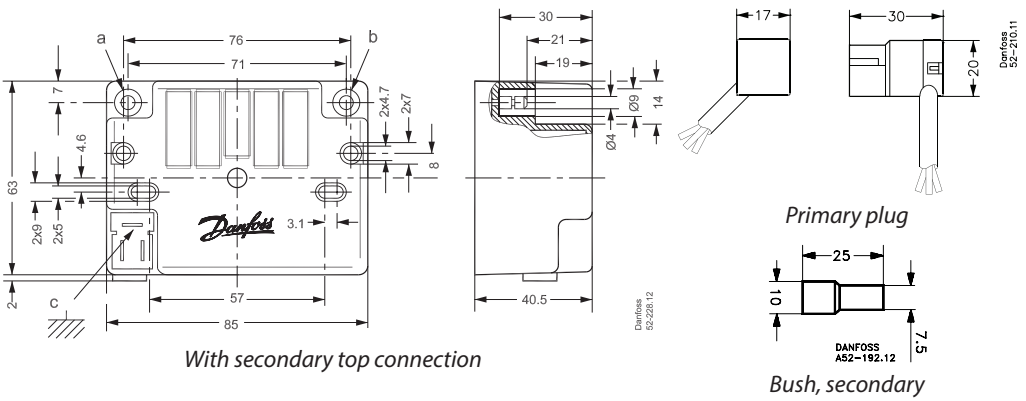
EBI4 HPM	EBI4 HP1P	a: Left terminal b: Right terminal c: Earth connection
a+b+c	b+c	



With secondary front connection

Primary plug

Bush, secondary



With secondary top connection

Primary plug

Bush, secondary

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