Data sheet



Ignition Units

EBI4 HP series

Description

The EBI4 HP unit series is specially designed for applications where High Power ignition is required. EBI4 HPM is a 2-pole version with secondary midpoint 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.

Features & Benefits

- 1- or 2-pole ignition
- Low power consumption due to high efficiency (new technology)
- Earth connection through the primary cable
- Same dimensions and flexible mounting as the well-known EBI series
- CE-marking in accordance with the direc- tives: EMC, LVD, RoHs 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

Applications

- Oil and gas burners requiring high power ignition
- Oil and gas burners requiring high power ignition

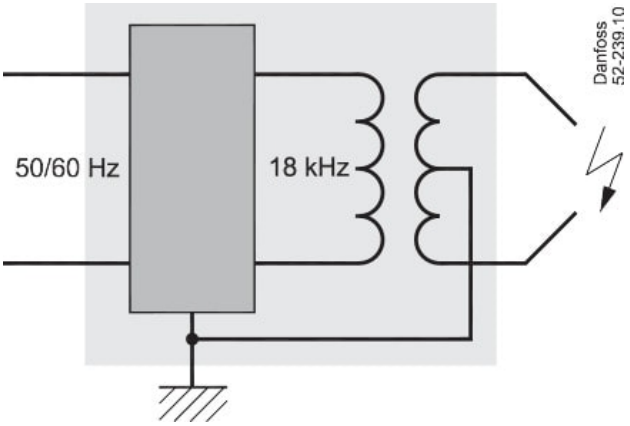
Product code numbers

Type	Housing	Supply voltage [V] AC	Code number
EBI4 HPM	Standard	230	052F4032
EBI4 HPM	Special	230	052F4033
EBI4 HP 1P	Standard	230	052F4046
EBI4 HP 1P	Standard	230	052F4049
EBI4 HPM	Standard	230	052F4232
EBI4 HPM	Special	230	052F4233
EBI4 HP 1P	Standard	230	052F4249

Functions

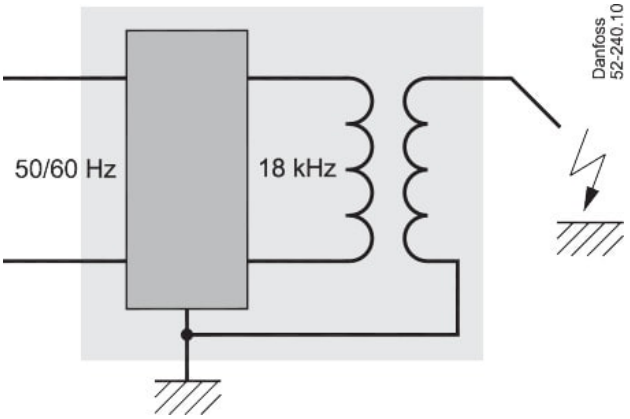
EBI4 HPM

- 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



Product details

General data

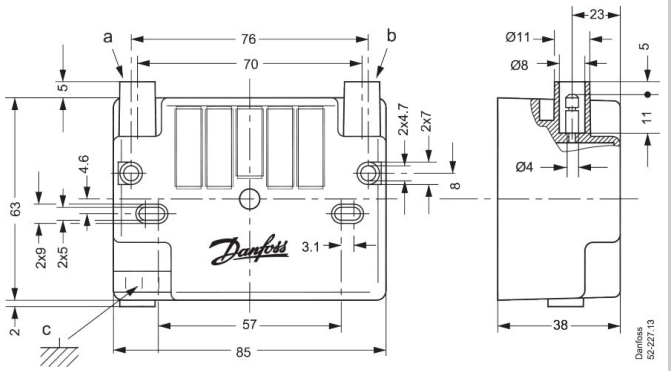
Type	EBI4 HPM	EBI4 HP1P
Mains connection	230 V - 0.4 A - 50/60 Hz - 90 VA	
Working range	187-255 V	
Main fuse	10 A	
Secondary connection* Short circuit current (rms) Frequency	2 × 7.5 kV 48 mA 18 kHz	12 kV 48 mA 18 kHz
ED % in 3 min.	33% at 60°C	
Ambient temperature	-10 to +60°C	
Storage temperature	-25 to +85°C	
Enclosure	IP 40	
Primary connection	3 × 0.5 mm^2 cable with special plug 3 × 0.75 mm^2 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.

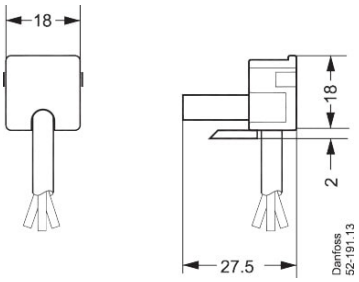
Design

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

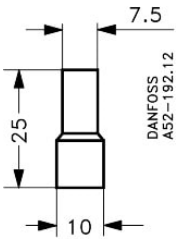
Dimensions & weights



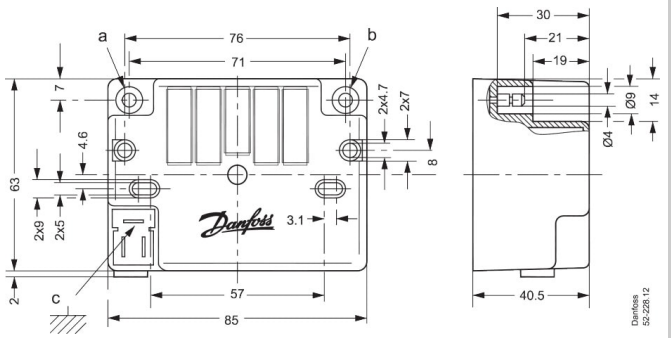
With secondary front connection



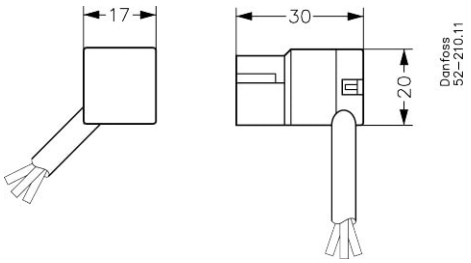
Primary plug



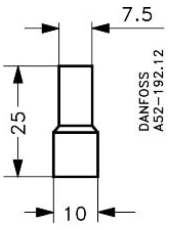
Bush secondary



With secondary top connection



Primary plug



Bush secondary

Weight	EBI4 HPM		EBI4 HP1P
	Gross weight	0.31 kg	0.344 kg
	Net weight	0.296 kg	0.296 kg
	Volumne	0.402 Liter	0.402 Liter

Certificates, declarations and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

When you click on the link you will be directed to the latest version of the 'Declaration of Conformity'. Products developed and sold before this date of issue conform to the directives/standards in force at the time of their sale.

Approval type	Title	Certification body	Approval topic
Manufacturer's Declaration	Danfoss MD MA 052F.08	Danfoss	EU RoHS
EU-UK Declaration	Danfoss EU-UK 052F.07	Danfoss	EMC
Export Control Declaration	Ignition units	Danfoss	

Contact details

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