



Ignition Units

EBI4 C series

Description

The EBI4 C unit series is specially designed for applications where constant ignition is required. EBI4 CM is a 2-pole version with secondary midpoint grounded. EBI4 C1P is a 1-pole version for ignition between 1 electrode and frame.

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 directives: EMC, LVD, RoHS EBI4 CM
- Oil/gas burners requiring constant ignition
- 2-pole ignition
- Secondary mid-point connected to earth/ frame
- 100% ED at 35°C/70% ED at 60°C

Applications

- Oil/gas burners requiring constant ignition
- Gas burners a.o. application requiring constant ignition

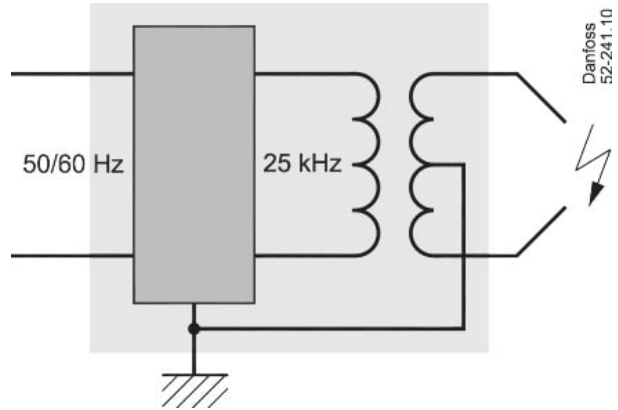
Product code numbers

Type	Housing	Supply voltage [V] AC	Secondary peak voltage [kV]	Code number
EBI4 CM	Standard	230	2 x 7.5	052F4034
EBI4 CM	Special	230	2 x 7.5	052F4035
EBI4 C1 P	Standard	230	12	052F4036
EBI4 CM	Standard	230	2 x 7.5	052F4047
EBI4 C1 P	Standard	230	12	052F4048
EBI4 CM	Standard	230	2 x 7.5	052F4234
EBI4 CM	Special	230	2 x 7.5	052F4235
EBI4 C1 P	Standard	230	12	052F4236

Functions

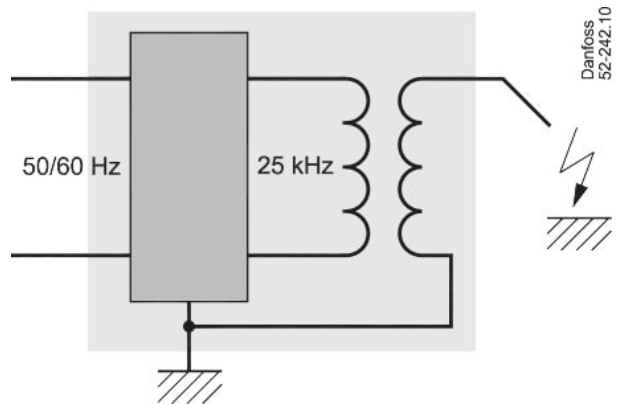
EBI4 CM

- Oil/gas burners requiring constant ignition
- 2-pole ignition
- Secondary mid-point connected to earth/frame
- 100% ED at 35°C/70% ED at 60°C
- Top or front connection for secondary cables
- 230 V



EBI4 C1P

- Gas burners a.o. application requiring constant ignition
- 1-pole ignition between 1 electrode and frame
- 100% ED at 35°C/70% ED at 60°C
- Top or front connection for secondary cables
- 230 V



Product details

General data

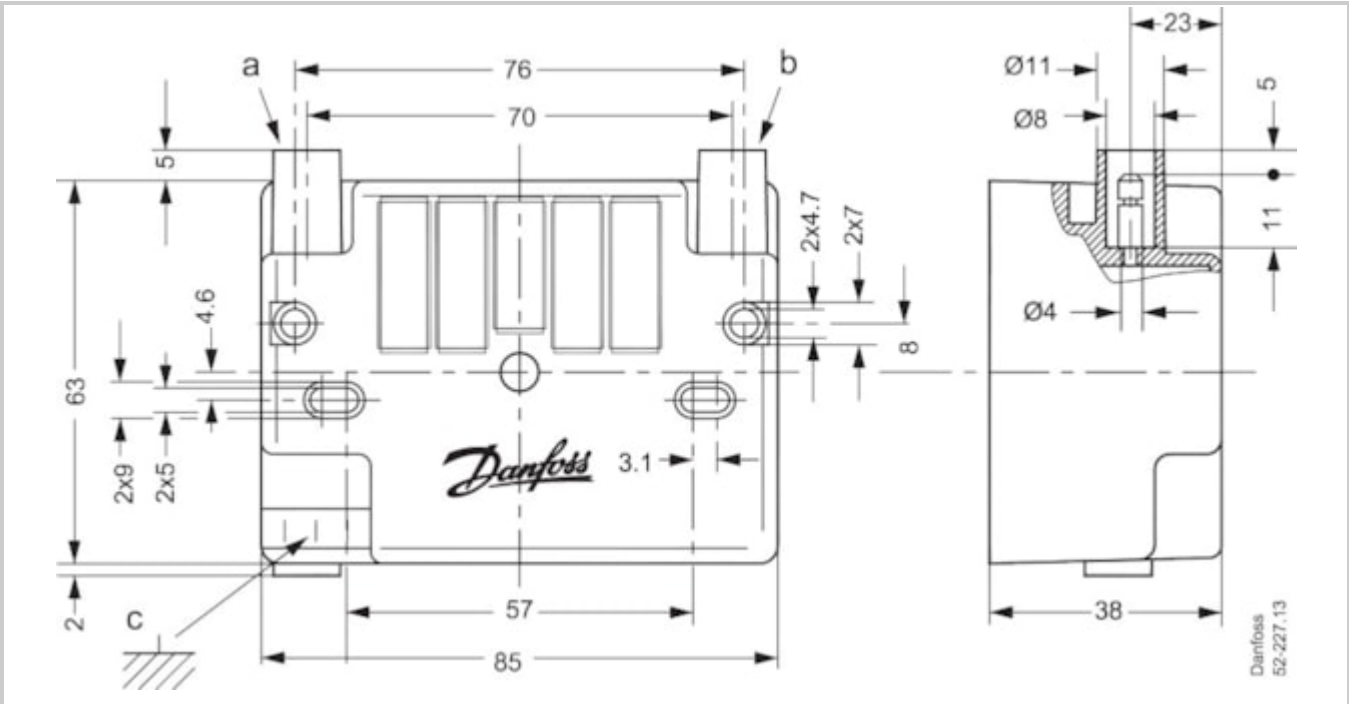
Type	EBI4 CM	EBI4 C1P
Mains connection	230 V - 0.25 A - 50/60 Hz - 60 VA	
Working range	187-255 V	
Main fuse	10 A	
ED % in 3 min.	100% at 35°C/70% at 60°C	
Secondary connection* Short circuit current (rms)	2 × 7.5 kV 30 mA (rms)	12 kV 30 mA (rms)
Frequency	25 kHz	25 kHz
Ambient temperature	-10 to +60°C	
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.

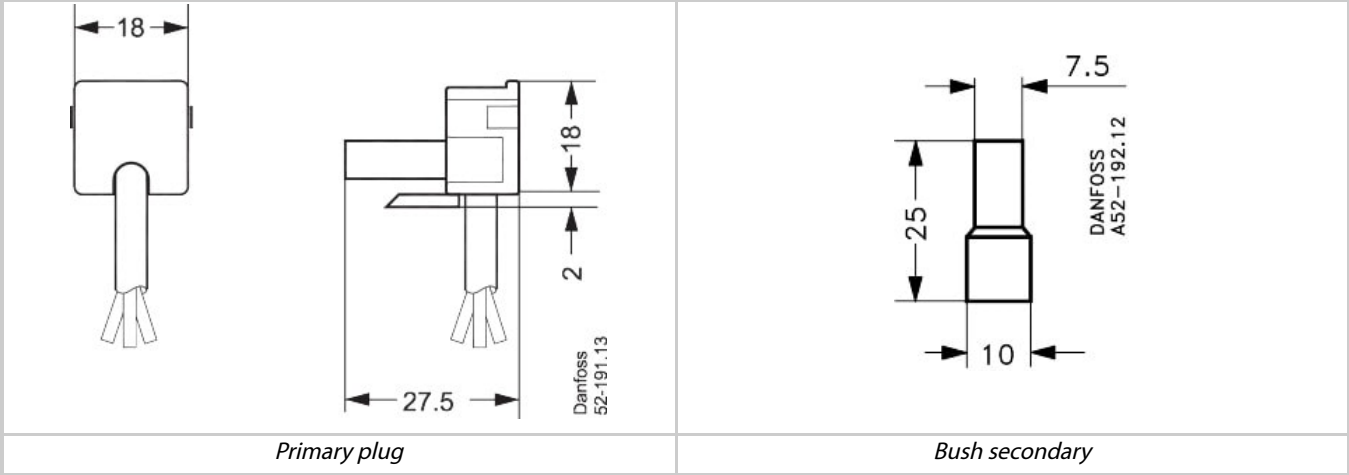


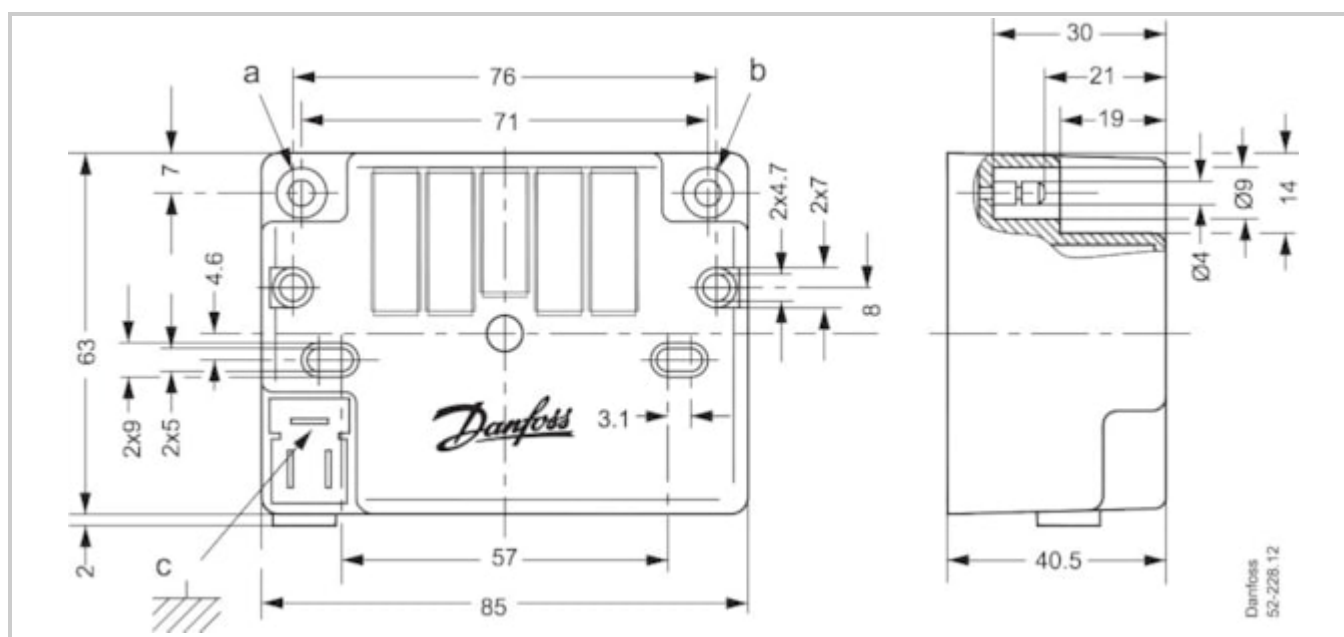
Dimensions & weights

EBI4 CM EBI4 C1P	EBI4 CM EBI4 C1P	a: Left terminal
a+b+c	b+c	b: Right terminal
		c: Earth connection

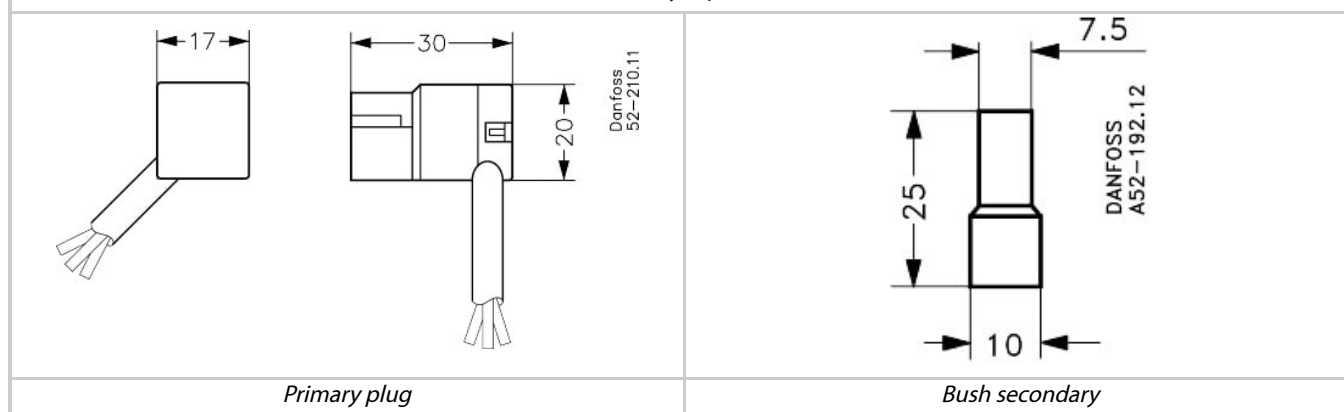


With secondary front connection





With secondary top connection



Weight	EBI4 CM EBI4 C1P	
Gross weight	0.34 kg	
Net weight	0.339 kg	
Volumne	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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