

Electronic Ignition Units EBI4 C Series



General Data Sheet

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

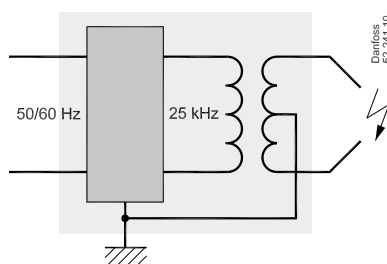
The EBI4 C unit series is specially designed for applications where constant ignition is required.

EBI4 CM is a 2-pole version with secondary mid-point grounded. EBI4 C1P is a 1-pole version for ignition between 1 electrode and frame.

Applications and Features

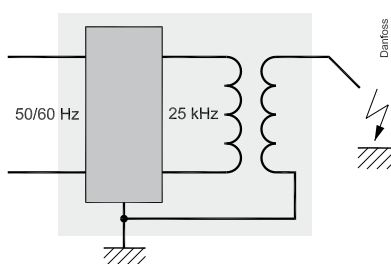
- 1- or 2-pole ignition
- Low power consumption due to high efficiency (new technology)
- Complies with the RoHs and WEEE directives

- 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 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

Technical 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*	2 × 7.5 kV	12 kV
Short circuit current (rms)	30 mA (rms)	30 mA (rms)
Frequency	25 kHz	25 kHz
Ambient temperature	-10 to +60°C	
Storage temperature	-25 to +85°C	
Enclosure	IP 40	
EMC (Generic Standard)	Emission EN 55014-1 Immunity EN55014-2	
Primary connection	3 × 0.75 mm ² cable with special plug. Cables in 7 standard lengths from 180 mm to 630 mm 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

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

