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.

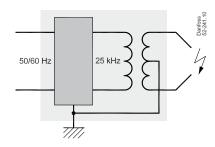
EBI4 CM is a 2-pole version with secondary mid-point grounded. EBI4 C1P is a 1-pole version for ignition between 1 electrode and frame

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 EN 55014-2
- Earth connectionthrough the primary cable
- Same dimensions and flexible mounting as the well-known EBI series

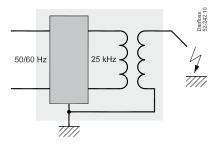






EBI4 CM

- 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

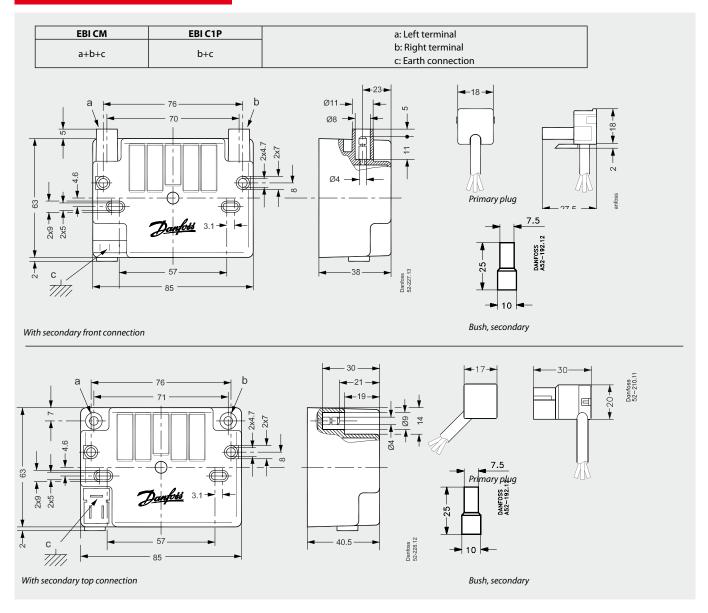


Technical Data

Туре	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	$3 \times 0.75 \text{ mm}^2$ cable with special plug. Cables $3 \times 0.75 \text{ mm}^2$ cable with	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	$2 \times \emptyset 4$ mm plugs	1 × Ø4 mm plugs	
Earthing	Through the	Through the primary cable	
Distance between electrodes	Recommended 2.5 mm to 5 mm		
Weight	30	300 g	

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

Dimensions



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