R.K. Instruments & Controls

TECHNICAL DATASHEET

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Danfoss EBI4 CM Ignition Transformer

Brand: Danfoss | Code/Part No.: 052F4034 | Category: IGNITION TRANSFORMERS

Specifications

Type	**EBI4 CM**
Product Code	**052F4034**
Series	**EBI4 C (Continuous Duty)**
Configuration	**2-Pole, Centre-Grounded**
Primary	**230V AC, 0.25A, 50-60Hz, 60VA**
Secondary	**2 x 7.5kV, 30mA (Ampl.)**
Duty Cycle	**100% ED**
Thermal Class	**T35**
Application	**Oil and gas burner ignition (continuous-cycle duty)**
Compliance	**CE, RoHS & WEEE Directives, EN 55014-1/2 (EMC)**



Description

The Danfoss EBI4 CM is a 2-pole, centre-grounded ignition transformer from the EBI4 "C" continuous-duty series, rated for 100% ED operation for applications needing sustained sparking rather than short intermittent bursts. It steps up a 230V, 50-60Hz, 60VA primary supply to two 7.5kV secondary outputs at 30mA, with the centre-grounded configuration providing extra protection against shock hazard on oil burner installations. Manufactured by Danfoss in Nordborg, Denmark, it is part of the EBI4 series succeeding the well-known Danfoss EBI range, built for domestic and light commercial oil and gas burner ignition duty.

Typical media compatibility: CNG, PNG, LPG, Air, Nitrogen — confirm against application before installation.