R.K. Instruments & Controls

TECHNICAL DATASHEET

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Danfoss EBI4 1P Ignition Transformer

Brand: Danfoss | Code/Part No.: 052F4040 | Category: IGNITION TRANSFORMERS

Specifications

Type	**EBI4 1P**
Product Code	**052F4040**
Series	**EBI4 (Intermittent Duty)**
Configuration	**1-Pole, Electrode-to-Frame**
Primary	**230V AC, 0.25A, 50-60Hz, 60VA**
Secondary	**12kV, 40mA (Ampl.)**
Duty Cycle	**33% ED in 3 min**
Weight	**0.34 kg**
Application	**Gas burner ignition (intermittent-cycle duty)**
Compliance	**CE Marking**



Description

The Danfoss EBI4 1P is a single-pole ignition transformer from the EBI4 series, built for intermittent-duty gas burner ignition rated 33% ED in 3 minutes. It steps up a 230V, 50-60Hz, 60VA primary supply to a single 12kV secondary output at 40mA (Ampl.), sparking between one electrode and the burner frame/earth. Replacing the earlier Danfoss EBI No. 052F0040, it is manufactured by Danfoss in Nordborg, Denmark, and is widely used on gas-fired burners (including Junior GAS-series units) that need a compact, cost-effective ignition source for intermittent-cycle operation.

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