

KEB Service Manual

12F5G1D-YP10

1. Description

The KEB 12F5G1D-YP10 is a high-performance inverter with an output power of 6.6 kVA and a wide frequency range of 0 to 800 Hz. Its functional safety features include STO, while its design adheres to German Lloyd vibration standards, making it reliable for challenging operational environments.

3. Product Information

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Product Description: The 12.F5.G1D-YP10 Combivert Axis Drive is a frequency inverter and servo system by the KEB Automation company. It is useful in mechanical and engineering operations where the power demand is up to 900 kW. The KEB 12.F5.G1D-YP10 is an advanced inverter with 6.6 kVA output capabilities. Its functional safety features include STO, while its design meets the German Lloyd vibration standards, making it suitable for demanding industrial conditions. It can supply a current that is 1.8 times its rated value and for a duration of up to 60 seconds. It can handle up to 13.3 A at the 400 V input voltage with the voltage regulation that meets EN50155 standards. This inverter has a power range of 0.37 kW to 90 kW. It has 3 phases and the rated current of this inverter is 2.3 A to 360 A. The axis drive inverter operates on an input voltage of 400V. It is designed for a 50/60Hz power supply. An input current of 13.3A is drawn to supply an output current of 9.5A and it can regulate the output voltage. This makes it possible to use energy most efficiently and to give the maximum outcome for different industrial uses. Its output power frequency ranges from 0 Hz to 800 Hz. The product number for this inverter is 826015801. Cust. No. of this inverter is 826015801. The pollution degree of this F5 drive inverter is 2. The KEB COMBIVERT F5 is a drive controller and can be applied to mechanical engineering, and other industrial fields. This F5 drive is designed for industrial applications that require efficient power conversion. Specs Cust. No.

826015801 Environment (IEC664-1)

Pollution degree 2 Functional Safety

STO Input current

13.3 A Input power

50/60HZ Input Voltage

400V Inverter size

12 Output Current

9.5A Output Power

6.6 kVA Output power range

0 to 800 Hz Peak currents (60 s)

1.8 x In Phases

3 Power range

0.37 kW ... 90 kW Rated currents

2.3 A ... 360 A Vibration/Jolt according to

German. Lloyd; EN50155

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