

# EU DECLARATION OF CONFORMITY



**Document No./month.year: ce\_dr\_rsafety-f5-g-d-p\_en.docx / 01.2022**

Manufacturer: KEB Automation KG  
Südstraße 38  
32683 BARNTRUP  
Germany

Product type: Inverter type yyF5zxx - xxxx  
Inverter size yy = 05 up to 38 ( housing D – P )  
Control type z = K, L, P  
x = any number or letter for different versions  
Voltage category 230 / 400 / 690V

This declaration of conformity is issued under the sole responsibility of KEB.

The above given product is in accordance with the following directives of the European Union

Number: **Machine: 2006 / 42 / EU**  
Text: Directive on machinery.

Number: **EMC : 2014 / 30 / EU**  
Text: Directive on the approximation of the laws of the Member States relating to electromagnetic compatibility.

Number: **Eco Design: 2009 / 125 / EC ( incl. 2019 / 1781 / EC )**  
Text: Directive on the approximation of the laws of the Member States establishing a framework for the setting of ecodesign requirements for energy-related products

Number: **Hazardous Substances: 2011 / 65 / EEC ( incl. 2015 / 863 / EU )**  
Text: Directive on the approximation of the laws of the Member States relating on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Responsible: KEB Automation KG  
Südstraße 38  
32683 BARNTRUP

Place, date Barntrop, 28. December 2021

Issued by:

i. A. W. Hovestadt / Conformance Officer

W. Wiele / Technical Manager

This declaration certifies the conformity with the named directives, but does not contain any assurance of quality.

The safety instructions, described in the instruction manual are to be followed.

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## ANNEX 1

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Product type:	Inverter type	yyF5zxx - xxxx
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	Voltage category	230 / 400 / 690V

The above given product is in accordance with the following directives of the European Union

2006 / 42 / EU Directive on Machinery

Article 2, Annex V	Definitions: Safety components:	c) Safety component 4. Logic units to ensure safety functions
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The conformity of the above given product to the European Directive 2006/42/EU ( for machinery ) is given by complete approval / testing to the following European harmonized standards:

EN - standard	Text:
EN 61800-5-2: 2007 and EN 61800-5-2: 2017	Adjustable speed electrical power drive systems – part 5-1: Safety requirements – Functional Safety
EN 62061 / 2005 + AC + A1 + A2	Safety of Machinery – Functional Safety of safety-related electrical, electronical and programmable electronic control systems
EN ISO 13849-1 / 2015	Safety of Machinery – Safety-related parts of control systems – Part 1: General principles for design
EN61508 – 1 up to 7 / 2010	Functional Safety of electrical, electronic and programmable electronic safety-related systems – Part 1 up to 7
EN 61800-3 / 2018	Adjustable speed electrical power drive systems – part 3: EMC requirements and specific test methods

European Directive 2014/30/EU ( for electromagnetic compatibility ) is given by complete approval / testing to the following European harmonized standards. Base for the complete approval is the definition of a complete PDS ( power drive system ). For not exceeding the required limits or minimum levels of immunity it is necessary to use the KEB defined filters and observe the given wiring specifications.

EN 61800-3 / 2018	Adjustable speed electrical power drive systems – part 5-1: EMC requirements and specific test methods
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The conformity to above requirements within the standards were approved by:

Notified body:	TÜV – Rheinland Industrie Service GmbH
Adress:	Zertifizierungsstelle für Maschinen ( NB Nr. 0035 ) Alboinstrasse 56 D - 12103 Berlin

No. of Certificate	01 / 205 / 5141.03 / 21
Dated:	15.09.2021
Valid until:	15.09.2026

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## ANNEX 2

Document-No. / month.year: ce\_dr\_rsafety-f5-g-d-p\_en.docx / 01.2022

Product type:	Inverter type	yyF5zxx - xxxx
	Inverter size	yy = 05 up to 38 ( housing D – P )
	Control type	z = K, L, P
		x = any number or letter for different versions
	Voltage category	230 / 400 / 690V

The conformity of the above given product to the

European Directive 2014/35/EU (for electrical equipment designed for use within certain voltage limits) is given by complete approval / testing to the following European harmonized standards:

EN - standard

EN 61800-5-1 / 2007  
+A1 / 2017

Adjustable speed electrical power drive systems – part 5-1: Safety requirements - Electrical, thermal and energy

EN 61800-2 / 2015

Adjustable speed electrical power drive systems – part 2: general requirements – rating specifications for low voltage adjustable speed a.c. power drive systems

European Directive 2009/125/EC (establishing a framework for the setting of ecodesign requirements for energy-related products) is given by complete approval / testing to the regulation 2019/1781/EU

Informativ:	Adjustable speed electrical power drive systems – part 9-2: Ecodesign for power drive systems, motor starters, power electronics and their driven applications –
EN 61800-9-2 / 2017	Energy efficiency indicators for power drive systems and motor starters

European Directive 2011/65/EU with changes of 2015/863/EU (for restrictions of the use for certain hazardous substances in electrical and electronic equipment) is given by qualification of components and manufacturing process within the ISO 9001 QM system. The necessary information and declarations are documented and memorized.

EN 63000: 2018 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

The above given product was developed, manufactured and tested within an internal quality management system. This ISO 9001 QM system was approved by:

Notified body:	TÜV - CERT
Adress:	Zertifizierungsstelle des RWTÜV Steubenstrasse 53 D - 45138 Essen

No. of approval	041 004 500
Dated:	20.10.1994
Valid until:	December 2024