

Manufacturer's Declaration

ConverterTec Deutschland GmbH, Krefelder Weg 47, 47906 Kempen, Germany

Kempen, 25. August 2020

Spare parts: IGBT stacks from Zopf Energieanlagen GmbH for Concycle® frequency converters

Company Firma Zopf Energieanlagen GmbH produces and sells IGBT Stacks which can be installed and operated in Woodward Concycle® frequency converters, ConverterTec today. These IGBT Stacks offered as spare parts on the market have not been developed or produced in any kind cooperation with ConverterTec (former Woodward).

Based on technical tests and measurements, we as the manufacturer of converter systems of the Concycle® brand hereby declare, that the operation of the stacks listed below has no influence on the current / future technical support offered by ConverterTec to our Service Contract customers:

ZOPF Product	As replacement to former Woodward product
ZOPF RACK 314 Air (Item no. 10106)	KP-28421, RAC313 KP-36676, RAC313 KP-36945, RAC313 <small>(and compatible predecessor products)</small>
ZOPF RACK 314 Wasser (Item no. 10107)	KP-29965, RAC313 KP-35546, RAC313 <small>(and compatible predecessor products)</small>
ZOPF STACK Master (Item no. 10101)	KP-36951, POWER STACK 302 TSS MASTER: 12MS6017F6C3G30099 <small>(and compatible predecessor products)</small>
ZOPF STACK Slave (Item no. 10102)	KP-36952, POWER STACK 302 TSS SLAVE: 12MS6017F6C3G30098 <small>(and compatible predecessor products)</small>

The liability as well as any warranty claims lie exclusively with Zopf Energieanlagen GmbH. ConverterTec also excludes any liability for any consequential errors in the converter caused by the above listed components.

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 Geschäftsführung/Managing Directors: Dr. Magnus Zuther, Wilhelm Boyemann

This acceptance/ connivance only applies under the following conditions:

1. The producer and distributor of the IGBT stacks is ZOPF Energieanlagen GmbH.
2. Usage of the Zopf Stack (replacement of the Infineon ModStack™):
 - a. The Zopf Stacks have to comply with the parallel group type PG1
 - b. The parallel operation of Infineon ModStack™ and Zopf Stacks is only possible if the correct match of PG groups is considered: PG1 Zopf Stacks can only be combined with PG1 & PG2 ModStack™.
3. Usage of the Zopf RAC 314 (replacement of the Semikron RAC 313):
 - a. The Zopf RACK 314 cannot be used in a parallel operation with a Semikron RAC 313. It is mandatory to replace all IGBT Stacks in the converter.

ConverterTec expressly points out that in the event of a defective IGBT stack, the ConverterTec Service Stack is available for frequency converters with initially installed Infineon ModStack™ as well as for systems with originally installed Semikron RAC 310, 311 or 313.

ConverterTec also reserves the right to withdraw this declaration of conformity in case of any technical changes are being made compared to the components that have been tested.

ConverterTec Deutschland GmbH



Wilhelm Boyemann
Managing Director



Martin Wilhelm
Product Line Manager