



**BUREAU  
VERITAS**

# Certificate

**Manufacturer / applicant:** REFU Elektronik GmbH  
Marktstraße 185  
72793 Pfullingen  
Germany

**Product type:** Connection box for photovoltaic inverter

**Model:** Connection Box central: CBIC 100K (936P001.xxxx) <sup>1</sup>  
Connection Box decentral: CBID 100K (937P211.xxxx) <sup>1</sup>  
Battery Connection Box: CBBS 88K (940P300.0000)

**Note:** <sup>1</sup>).xxxx describes optional equipment like AC switch, DC fuses plus, DC fuses minus, AC SPD (II or I+II), DC SPD (II or I+II) which does not impact the housing and protection degree.

**The certificate refers to the stated model(s) which passed the tests according to the applicable standard(s):**

IEC 61439-1:2011 (Second Edition)

Low-voltage switchgear and controlgear assemblies – Part 1: General rules

IEC 61439-2:2011 (Second Edition)

Low-voltage switchgear and controlgear assemblies – Part 2: Power switchgear and controlgear assemblies

**Report number:** 18TH0270-IEC61439-2\_0

**Certificate number:** U19-0189

**Date of issue:** 2019-03-29

**Certification body**

  
Holger Schaffer



Deutsche  
Akkreditierungsstelle  
D-ZE-12024-01-00

Certification body of Bureau Veritas Consumer Products Services Germany GmbH  
Accredited according to DIN EN ISO/IEC 17065



**Grid-tied photovoltaic inverter ratings**

Ratings:	CBIC 100K 936P001.xxxx	CBIC 100K 936P001.xxxx	CBID 100K 937P211.xxxx	CBID 100K 937P211.xxxx
Type:	Central Connection Box		Decentral Connection Box	
Max Input DC voltage [V]:	1100		1100	
Max ISC total [A]:	250		25 / 250	
Rated AC voltage [V]:	180 – 480		180 – 480	
Max AC current [A]:	128		128	
AC Circuit Switch:	None	integrated	None	integrated
DC Circuit Switch:	integrated		integrated	

\*Note: The 2 variants basically exclude or include the AC switch. In case the customers want SPD's, they will need to order separate product codes which will be the relevant SPD kits.

Ratings:	CBBS 88K 940P300.0000
Max Input DC voltage [V]:	1000
DC max current [A]:	155
Rated AC voltage [V]:	180 – 400
Max AC current [A]:	128