

Form

Data form for critical components and material information



Product Service

Applicant name and address..... :	Hoymiles Power Electronics Inc. No.18 Kangjing Road 310015 Hangzhou, Zhejiang Province PEOPLE'S REPUBLIC OF CHINA(CBW: 120286)
Manufacturer name and address . :	Wuxi Betteri Electronic Technology Co., LTD 5-1, #11, Jinshan Rd. Branch#IV Wuxi Optoelectronic Material Science&Technology Park 214037 Wuxi PEOPLE'S REPUBLIC OF CHINA(CBW:085127)
Project-No./Report-No. :	70.407.23.267.01-00
Test item description..... :	Installation Couplers for use on AC side of Photovoltaic Systems
Model/Type reference :	BC05-BR3
Device type :	☒ component / ☐ sub-assembly / ☐ equipment / ☐ system

Rated voltage..... :	300V AC
Rated current..... :	12A for 16AWG/1,5mm ²
Overvoltage category..... :	I / II / III / IV
Pollution degree..... :	1 / 2 / 3 / 4
Degree of protection :	IP65/IP68 (1m,1h)
Class(IEC 61140)..... :	☐ 0 Application in restricted access area ☐ I Special installation measures required ☒ II Application in non-restricted access area ☐ III Basic protection by limitation of voltage(ELV)
Rated impulse withstand voltage... :	4kV
Environmental conditions / Maximum ambient temperature :	-40°C~+85°C
Operating (installation) altitudes :	Up to 2000m

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General product information and other remarks:	
Main label / Warning Markings:	"DO NOT DISCONNECT UNDER LOAD"
Description of model differences:	N/A
General information / Intended use:	Connectors for Photovoltaic Systems
Drawing(s) / Picture(s):	

合格

Doc No.: 168870 Revision: 4 - released

Project-No./Report-No.: 70.407.23.267.01
Revision / Version:00
Date:2023.04.07

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Name of Lab (legal entity):TÜV SÜD Certification and Testing
(China) Co., Ltd. Shanghai Branch
Name of the project handler:Yu Haiyan
Department:PV:SMN
Street:3-13F, No. 151 Heng Tong Road
City, Country: Shanghai, P. R. China

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Critical components and material information:

Object / part No.	Manufacturer/ trademark	Information about mechanical, electrical, chemical etc.	Mark(s) of conformity
1.Branch line positive plastic enclosure	SABIC INNOVATIVE PLASTICS BV	EXL9330,PC,UL94,V- 0,RTI=125°C, CTI=3	UL E45329
2.Branch line negative plastic enclosure	ASAHI KASEI CHEMICALS CORP XYRON POLYMER	540Z(f1),m-PPE,UL94,V- 0,RTI=110°C, CTI=0	UL E82268
3.Branch line core lock	ASAHI KASEI CHEMICALS CORP XYRON POLYMER	540Z(f1),m-PPE,UL94,V- 0,RTI=110°C, CTI=0	UL E82268
4.Branch line housing	ASAHI KASEI CHEMICALS CORP XYRON POLYMER	540Z(f1),m-PPE,UL94,V- 0,RTI=110°C, CTI=0	UL E82268
5.Branch line cable gland	ASAHI KASEI CHEMICALS CORP	FR370(j)(f1), PA66,UL94,V- 0,RTI=105°C, CTI=0	UL E48285
6.Branch line cap nut	SABIC INNOVATIVE PLASTICS BV	EXL9330,PC,UL94,V- 0,RTI=125°C, CTI=3	UL E45329
7.Branch line sealing plug	Dow Corning (China) Holding Company Limited	RBB-6660-70, silicone	UL E55519
8.Branch line sealing ring	Dow Corning (China) Holding Company Limited	RBB-6660-60, silicone	UL E55519
9.Main line box cover sealing ring	Dow Corning (China) Holding Company Limited	RBB-6660-70, silicone	UL E55519
10.Branch line jack (wiring)	Kunshan Futaijin Precision Hardware Co.,Ltd	Brass C3602(gold-plated)	Test with unit
11.Branch line jack (riveting)	Kunshan Futaijin Precision Hardware Co.,Ltd	Brass C3602(gold-plated)	Test with unit
12. Branch line pin	Kunshan Futaijin Precision Hardware Co.,Ltd	Brass C3602(gold-plated)	Test with unit
13.Screw	Kunshan Futaijin Precision Hardware Co.,Ltd	SUS304(stainless steel)	Test with unit

Routine Test

☐ N/A, ☒ No requirement in standard, ☐ Non certification mark project

Model/Type reference:	Tests performed (name of test and test clause):	Test Details:	Test Points:	Test Values:

Test Report History:

Rev	Project No.	History
00	70.407.23.267.01	Initial Version

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Signature of the Certification Holder:

Name, seal and signature of Certificate Holder:	
Date:	

