# Aufbauübersicht für elektrische und elektronische Komponenten
## Data form for electrical and electronic component



Auftraggeber / Applicant: NINGBO GZX PV TECHNOLOGY CO., LTD.
No. 28, Binhai 5th, Road Hangzhou Bay New District 315336
Ningbo, Zhejiang PEOPLE'S REPUBLIC OF CHINA

Fertigungsstätte / Production facility: NINGBO GZX PV TECHNOLOGY CO., LTD.
No. 28, Binhai 5th, Road Hangzhou Bay New District 315336
Ningbo, Zhejiang PEOPLE'S REPUBLIC OF CHINA

**Geräteart /** Type of equipment: Connectors for Photovoltaic Systems

**Typenbezeichnung /** Type/model: PV-GZX1500, PV-GZX1500A, PV-GZX0601-1

**Seriennr. /** Serial no.: N/A

**Nennspannung/Frequenz /** Rated voltage/frequency: 1500VDC for PV-GZX1500, 1500VDC for PV-GZX1500A, 1000VDC for PV-GZX0601-1

| Item | Specification |
|---|---|
| Rated input power/current: | 30A for PV-GZX1500<br>30A for PV-GZX1500A<br>30A for PV-GZX0601-1 |
| Overvoltage category: | ~~I / II~~ / III / ~~IV~~ |
| Rated impulse withstand voltage: | 16kV for PV-GZX1500, PV-GZX1500A<br>12kV for PV-GZX0601-1 |
| Ambient temperature: | -40°C~+85°C |
| Material | See page 2 |
| Degree of protection against liquids: | IP67 for PV-GZX1500<br>IP67 for PV-GZX1500A<br>IP67 for PV-GZX0601-1 |
| Protection class: | I PE-connection ☐<br>II Double insulation ☒<br>III SELV/internally powered ☐ |
| Construction: | Stationary ☒ |
| | Portable ☐ |
| | Hand-held ☐ |
| | Open-frame ☐ |
| Supply connection: | Non detachable cord ☒ |
| | Permanent connection ☐ |
| | Appliance inlet ☐ |
| Rated operation: | Continuous operation ☒ |
| Contact specification: | Intermittent operation ☐ |
| Material of gap: | Short time operation ☐ |
| Remark: | |

Prüfbericht Nr. / Test Report No.: 70.307.16.140.01-01

Projektleiter / Project engineer:

Ort / place: Cixi

Datum / date: 2017-8-7

Stempel und Unterschrift / Seal and signature

# Aufbauübersicht für elektrische und elektronische Komponeten
## Data form for electrical and electronic component

Product Service



| Bauteil / Kind of component | Hersteller / Manufacturer | Angaben über Typ, Stromstärke, Leistung, Material Transformatorspezifikation, Isolationsklasse etc. Information about type, current, power, material, transformer specification, insulating class , etc. | Prüfzeichen von Test mark from (TÜV, VDE, BSI, UL etc.) |
|---|---|---|---|
| This page is for PV-GZX1500 | | | |
| 1. Insulation material | 1.1 ASAHI KASEI CHEMICALS CORP XYRON POLYMER<br>1.2 ASAHI KASEI CHEMICALS CORP XYRON POLYMER | m-PPE, PV40Z(f1)<br>m-PPE, 540Z(f1)(c) | E82268 |
| 2. Cable | 2.1 NINGBO GZX PV TECHNOLOGY CO., LTD. | H1Z2Z2K 1×4mm², -40℃~+90℃ | TÜV Rheinland |
| 3. Carry current parts | 3.1 NINGBO GZX PV TECHNOLOGY CO., LTD. | T2(tinned) | N/A |
| 4. Sealing Ring | 4.1 DONGJUE SILICONE(NANJING) Co., Ltd. | Silicon Rubber | N/A |
| 5. Cable gland | 5.1 BASF SE<br>5.2 ASAHI KASEI CHEMICALS CORP | PA66, A3XZG5(f1)<br>PA66, FR370(j), UL94,V-0 | UL E41871 |
| 6.Marking | GZX PV-GZX1500 1500VDC | | |

Prüfbericht Nr. / Test Report No.: 70-407.16.140-01-01

Projektleiter / Project engineer:

Ort / place: Cixi

Datum / date: 2017-8-7

Stempel und Unterschrift / Seal and signature

# Aufbauübersicht für elektrische und elektronische Komponeten
## Data form for electrical and electronic component

Product Service



| Bauteil / Kind of component | Hersteller / Manufacturer | Angaben über Typ, Stromstärke, Leistung, Material Transformatorspezifikation, Isolationsklasse etc. Information about type, current, power, material, transformer specification, insulating class , etc. | Prüfzeichen von Test mark from (TÜV, VDE, BSI, UL etc.) |
|---|---|---|---|
| **This page is for PV-GZX1500A** | | | |
| 1. Cable | 1.1 NINGBO GZX PV TECHNOLOGY CO., LTD. | H1Z2Z2K 1×4mm², -40℃~+90℃ | TÜV Rheinland |
| 2.Enclosure | 2.1 SABIC INNOVATIVE PLASTICS B V | EXL9330(X)(f1)(GG)(B1), PC,UL94, V-0 | UL(E45329) |
| | 2.2 BASF SE | PA66, A3XZG5(f1) | UL E41871 |
| | 2.3 ASAHI KASEI CHEMICALS CORP XYRON POLYMER | PV40Z(f1), m-PPE | UL(E82268) |
| | 2.4 SABIC INNOVATIVE PLASTICS JAPAN L L C | PX9406P(C)(f1), PPE+PS | UL(E207780) |
| 3.Cable gland | 3.1 BASF SE | PA66, A3XZG5(f1) | UL E41871 |
| | 3.2 ASAHI KASEI CHEMICALS CORP | PA66, FR370(j), UL94,V-0 | UL E48285 |
| 4.Sealing ring | 4.1 JuLiHao Rubber and Silica Gel Co.,Ltd | Silicon rubber, Φ1.55 | N/A |
| | 4.2 DONGJUE SILICONE (NANJING) CO LTD | Silicon rubber, Φ1.55 | UL(E236040) |
| 5.Internal pseling plug | 5.1 DONGJUE SILICONE (NANJING) CO LTD | Silicon rubber | UL(E236040) |
| 6.Carry current part | 6.1 NINGBO GZX PV TECHNOLOGY CO., LTD. | T2(tinned) | N/A |

GZX **PV-GZX1500 1500VDC**

Prüfbericht Nr. / Test Report No.: 70.407.16.140.01-01

Projektleiter / Project engineer: Sara

Ort / place: Cixi

Datum / date: 2017-8-7

Stempel und Unterschrift / Seal and signature

# Aufbauübersicht für elektrische und elektronische Komponeten
## Data form for electrical and electronic component

Product Service



| Bauteil / Kind of component | Hersteller / Manufacturer | Angaben über Typ, Stromstärke, Leistung, Material Transformatorspezifikation, Isolationsklasse etc. Information about type, current, power, material, transformer specification, insulating class , etc. | Prüfzeichen von Test mark from (TÜV, VDE, BSI, UL etc.) |
|---|---|---|---|
| This page is for PV-GZX0601-1 | | | |
| 1. Insulation material | 1.1 ASAHI KASEI CHEMICALS CORP XYRON POLYMER<br>1.2 ASAHI KASEI CHEMICALS CORP XYRON POLYMER<br>1.3 SABIC INNOVATIVE PLASTICS B V | m-PPE, PV40Z(f1)<br>m-PPE, 540Z(f1)(c)<br>EXL9330(X)(f1)(GG)(B1), PC,UL94, V-0 | |
| 2. Cable | 2.1 NINGBO GZX PV TECHNOLOGY CO., LTD. | H1Z2Z2K 1×4mm², -40℃~+90℃ | TÜV Rheinland |
| 3. Carry current parts | 3.1 NINGBO GZX PV TECHNOLOGY CO., LTD. | T2(tinned) | N/A |
| 4. Sealing Ring | 4.1 DONGJUE SILICONE(NANJING) Co., Ltd. | Silicon Rubber | N/A |
| 5. Cable gland | 5.1 BASF SE<br>5.2 ASAHI KASEI CHEMICALS CORP | PA66, A3XZG5(f1)<br>PA66, FR370(j), UL94,V-0 | UL E41871 |

6.Marking

GZX **PV-GZX0601-1 1000VDC**

Prüfbericht Nr. / Test Report No.: 70.407.16.140.01-01

Projektleiter / Project engineer: Sara

Ort / place: Cixi

Datum / date: 2017-8-7

Stempel und Unterschrift / Seal and signature