DW4 Series
(UL Recognized Product)

The DW4 Series is a 1 pin connector compatible with 100A connection with cable and can be directly attached to the electrical pole of the battery module. The DW4 Series is suitable for use in a wide range of applications such as storage battery systems, power supply systems, UPS, and other power supply control equipments. The DW4 Series is a UL recognized product.

Features
- UL Recognized Product: File No.E67741
- High-current: compatible with 100A
- Electrical Shock Prevention: structure that prevents a person's fingers from touching the terminals on receptacle side.
- Mis-mating prevention structure
- Lock structure

General Specifications
- No. of Contacts: 1 pin
- Rated Current: 100A
- Rated Voltage: 600V *Note 1
- Contact Resistance: 0.3mΩ max. (initial)
- Mating Cycles: 50 times
- Termination: Screw fixing (electrical pole side)
- Ultrasonic welding (electrical wire side)
- Durability: 50 times
- Operating Temperature: -40 Deg. C ~ +75 Deg. C
- Wire Size: 22sq (4AWG equivalent)

Note 1: Please contact us when considering use in usage environments that exceed 600V.
1. Plug Black (Main Unit)

Part Number | DW4P001ZF1
---|---
SJ Drawing | SJ112878

NOTE 1. THREE 0.7mm HEIGHT BOSSES ARE SET TO NOTED PART.
2. CONTACT PLATING IS AS FOLLOWS:
   - CONTACT AREA: REFLOW TIN OVER NICKEL
   - SCREW AREA: NICKEL
3. THE COPPER APPEARS TO THE HATCHING AREA OF FIGURE 1.
4. THE LOT NUMBER IS PRINTED TO THIS AREA.

Note: (Refer Note 1 for details)
2. Plug Red (Main Unit)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>DW4P001ZF2</th>
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<tbody>
<tr>
<td>SJ Drawing</td>
<td>SJ112879</td>
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NOTE1. THREE 0.7mm HEIGHT BOSSES ARE SET TO NOTED PART.
2. CONTACT PLATING IS AS FOLLOWS:
   - CONTACT AREA: REFLOW TIN OVER NICKEL
   - SCREW AREA: NICKEL
3. THE COPPER APPEARS TO THE HATCHING AREA OF FIGURE 1.
4. THE LOT NUMBER IS PRINTED TO THIS AREA.

注1. 本注記に示す箇所(3ヶ所)に高さ0.7mmのボスを設ける。
2. コンタクトの表面処理は下記のようになる。
   - 接触部：Ni上リフローSn
   - 結線部：Ni
3. 図1中の斜線部は銅素地が露出する。
4. 図示の位置にロット番号を表示する。

3. Harness

**Part Number** | DW4R001W0012880ZF2
---|---
**SJ Drawing** | SJ112880

**NOTE 1. CONTACT PLATING IS AS FOLLOWS:**
- CONTACT AREA : REFLOW TIN
- THE COPPER APPEARS TO THE HATCHING AREA OF FIGURE 1.

注1: コンタクトの表面処理は下記のようになる。
・接触部: リフロー Sn
2. 図1中の斜線部は銅素地が露出する。

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<th>NO.</th>
<th>WIRE (電線)</th>
<th>QTY</th>
<th>COLOR (色)</th>
<th>MATERIAL (材料)</th>
<th>FINISH (仕上)</th>
<th>REMARKS (備考)</th>
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<td>BLACK</td>
<td>COPPER ALLOY</td>
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<tr>
<td>3</td>
<td>HOUSING B</td>
<td>1</td>
<td>BLACK</td>
<td>GLASS FILLED PBT</td>
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<tr>
<td>2</td>
<td>HOUSING A</td>
<td>1</td>
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<td>GLASS FILLED PBT</td>
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<tr>
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<td>CONTACT</td>
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<td>GLASS FILLED PBT</td>
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**FIG. 1 CONTACT FORM (REF.)**
図1 コンタクト形状(参考)
DW4 Series

Plug (Red)
DW4P001ZF2

Plug (Black)
DW4P001ZF1

Harness
DW4R001W0012880
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<td>SJ112879 (DW4 Plug Red)</td>
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<td>SJ112880 (DW4 Harness)</td>
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<td>Specifications</td>
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<td>Handling Instructions</td>
<td>JAHL-30265</td>
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**Notice:**
1. The values specified in this brochure are only for reference. The products and their specifications are subject to change without notice. Contact our sales staff for further information before considering or ordering any of our products. For purchase, a product specification must be agreed upon.
2. Users are requested to provide protection circuits and redundancy circuits to ensure safety of the equipment, and sufficiently review the suitability of JAE's products to the equipment.
3. The products presented in this brochure are designed for the uses recommended below. We strongly suggest you contact our sales staff when considering use of any of the products in any other way than the recommended applications or for a specific use that requires an extremely high reliability.

   (1) Applications that require consultation:
      (i) Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry, such as: Automotive electrical components, train control, telecommunications devices (mainline), traffic light control, electric power, combustion control, fire prevention or security systems, disaster prevention equipment, etc.
      (ii) We may separately give you our support with a quality assurance program that you specify, when you think of a use such as: Aviation or space equipment, submarine repeaters, nuclear power control systems, medical equipment for life support, etc.

   (2) Recommended applications include:
      Computers, office appliances, telecommunications devices (terminals, mobile units), measuring equipment, audiovisual equipment, home electric appliances, factory automation equipment, etc.

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