# THE DATASHEET OF

# DF59-22PCFA

| Applicable standard | | | | | |
|---|---|---|---|---|---|
| Rating | Operating temperature range ④ | -40 °C to +105°C (Note1) | Storage temperature range | | -10 °C to +60°C (Note3) |
| | Operating humidity range | 20% to 80% (Note2) | Storage humidity range | | 40% to 70% (Note3) |
| | Current | 3A | Voltage | Specification | AC/DC 230V |
| | Applicable connector | DF59-＊P-2C | | UL/C-UL | AC/DC 29.9V |
| | Applicable cable | UL1061 AWG22 | | TÜV | TBD |

# Specifications

| Item | Test method | Requirements | QT | AT |
|---|---|---|---|---|
| **Construction** | | | | |
| General examination | Visually and by measuring instrument. | According to drawing. | X | X |
| Marking | Confirmed visually. | | X | X |
| **Electric characteristics** | | | | |
| Contact resistance ④ | DC6V MAX, 100mA. (DC or 1000Hz). | 30mΩ MAX. | X | − |
| **Mechanical characteristics** | | | | |
| Mechanical operation | 30 times insertion and extraction. | ①30mΩ MAX.<br>②No damage, crack or looseness of parts. | X | − |
| Vibration | Frequency 10 to 55Hz, single amplitude 0.75mm, at 10cycles for 3direction. | ①No electrical discontinuity of 1μs.<br>②No damage, crack or looseness of parts. | X | − |
| Shock | 490 m/s$^2$ duration of pulse 11 ms at 3 times for 3 directions. | | X | − |
| **Environmental characteristics** | | | | |
| Damp heat (Steady state) | Exposed at 40 ± 2℃ , 90 to 95 %, 96 h.<br>(After leaving the room temperature for 1−2h.) | ①30mΩ MAX.<br>②No damage, crack or looseness of parts. | X | − |
| Rapid change of temperature | Temperature -55℃→ +85℃<br>Time 30min→ 30min<br>Under 5 cycles.<br>(The transferring time of the tank is 2−3 min)<br>(After leaving the room temperature for 1−2h.) | | X | − |

Note 1: Include the temperature rising by current.
Note 2: No condensing
Note 3: Apply to the condition of long term storage for unused products before mounted on PCB.
After mounted on PCB, operation temperature and humidity range is applied for interim storage during transportation.

| | Count | Description of revisions | Designed | Checked | Date |
|---|---|---|---|---|---|
| ④ | 2 | DIS-H-00002838 | TS.KUMAZAWA | TS.FUKUSHIMA | 17.05.30 |

Remarks

Unless otherwise specified, refer to IEC60512.

| | | |
|---|---|---|
| Approved | KI.AKIYAMA | 10.09.29 |
| Checked | OM.MIYAMOTO | 10.09.29 |
| Designed | KT.ISHII | 10.09.29 |
| Drawn | KT.ISHII | 10.09.29 |

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

| | | | | |
|---|---|---|---|---|
| Drawing no. | ELC-331131-00-01 | | | |
| HRS | Specification sheet | Part no. | DF59-22PCFA | |
| | Hirose electric co., ltd. | Code no. | CL667-0016-8-00 ④ | 1/1 |

FORM HD0011-2-1

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- View DF59-22PCFA on WIN SOURCE
- Hirose Electric Co Ltd Information

## Optimize Your Supply Chain with WIN SOURCE Solutions

- Global Sourcing Solution
- Obsolete Management
- Cost Control Management
- Shortage Management
- Alternative Solution
- Excess Inventory Management