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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

| Applicable standard | | | | |
|---|---|---|---|---|
| Rating | Operating temperature range | -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) |
| | Voltage | 350 V AC/DC | Applicable connector | DF61Y-2P-2.2V(##) |
| | Current | AWG28 : 3.0A<br>AWG26 : 3.2A<br>AWG24 : 4.0A | Applicable contact | DF65-2428SCF |

# 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 chracteristics** | | | | |
| Insulation resistance | 500 V DC. | 1000 MΩ MIN. | X | — |
| Voltage proof | 1200 V AC for 1 MIN. | No flashover or breakdown. | X | — |
| **Mechanical characteristics** | | | | |
| Vibration | Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction. | No 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.) | ① Insulation resistance: 500 MΩ MIN.<br>② No 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 | – |
| | | | | |

Remarks
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 befor pcb on board,
After pcb on board, operating temperature and humiditty range is applied for interim storage during transportation.

| | Count | Description of revisions | Designed | Checked | Date |
|---|---|---|---|---|---|
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Unless otherwise specifid , refer to IEC 60512.

| | | |
|---|---|---|
| Approved | KI.AKIYAMA | 15.06.11 |
| Checked | HK.UMEHARA | 15.06.11 |
| Designed | ST.SATO | 15.06.11 |
| Drawn | MI.SAKIMURA | 15.06.11 |

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

| | | | | |
|---|---|---|---|---|
| | | Drawing no. | ELC-361874-13-00 | |
| HRS | Specification sheet | Part no. | DF61Y-2S-2.2C(13) | |
| | Hirose electric co., ltd. | Code no. | CL666-5101-6-13 | △0 1/1 |

FORM HD0011-2-1