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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) |
| | Applicable connector | 1) DF62W-*EP-2.2C(##)<br>2) DF62WC-*EP-2.2C(##) | | Voltage | 250V AC/DC |
| | Applicable cable | Applicable connector | | Current △3 | AWG 22 : 4A/pin<br>AWG 24 : 3.5A/pin<br>AWG 26 : 3A/pin |
| | | 1) | UL1007 AWG#22 to 24<br>UL1430 AWG#24 to 26 | | |
| | | 2) | UL1061 AWG#24 to 26 | | |
| | Applicable Insulation diameter | Applicable connector | | | |
| | | 1) | $\phi$1.4 to 1.6mm | | |
| | | 2) | $\phi$0.98 to 1.2mm | | |

# 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 | 20mV MAX, 1mA (DC or 1000Hz). | 30 mΩ MAX. | X | – |
| **Mechanical characteristics** | | | | |
| Mechanical operation | 30 times insertion and extraction. | 1)Contact resistance: 30 mΩ MAX.<br>2)No damage, crack or looseness of parts. | X | – |
| Vibration | Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction. | 1)No electrical discontinuity of 1 $\mu$s.<br>2)No damage, crack or looseness of parts. | X | – |
| Shock | 490 m/s$^2$ duration of pulse 11 ms at 3 times each for 3 both axial directions. | 1)No electrical discontinuity of 1 $\mu$s.<br>2)No damage, crack or looseness of parts. | 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)Contact resistance: 30 mΩ MAX.<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.) | 1)Contact resistance: 30 mΩ MAX.<br>2)No damage, crack or looseness of parts. | X | – |
| | | | | |

Remarks
Note 1: Include the temperature rising by current.
Note 2: No condensing.
Note 3: Apply to the packaged and unused product. △3

| | Count | Description of revisions | Designed | Checked | Date |
|---|---|---|---|---|---|
| △3 | 2 | DIS-H-00015722 | HT.SATO | SZ.ONO | 20221017 |

| | | |
|---|---|---|
| Approved | OM.MIYAMOTO | 20131114 |
| Checked | OM.MIYAMOTO | 20131114 |
| Designed | TO.HORII | 20131114 |
| Drawn | TO.HORII | 20131114 |

Unless otherwise specified, refer to IEC 60512.

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

Drawing No. ELC-353516-00-00

| | | | | |
|---|---|---|---|---|
| HRS | Specification sheet | Part No. | DF62W-EP2226PCF | |
| | HIROSE ELECTRIC CO., LTD. | Code No. | CL0544-1001-4-00 △3 | 1/1 |

FORM HD0011-2-1