

|  |                             |   |                           |  |                  |          |
|--|-----------------------------|---|---------------------------|--|------------------|----------|
| 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        | DF62W-3EP-2.2C (##)   | Voltage                   | 250V AC/DC   |                  |          |
|  | Applicable contact          | DF62W-2022SC*<br>DF62W-2226SC*  | Current                   | AWG 20 : 3.5A/pin<br>AWG 22 : 3A/pin<br>AWG 24 : 2A/pin<br>AWG 26 : 1A/pin         |                  |          |
| 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                                       |                             |   |                           |  |                  |          |
| Insulation resistance  |                             | 500 V DC.   |                           | 1000 MΩ MIN.   | X                | —        |
| Voltage proof  |                             | 650 V AC for 1 min.   |                           | No flashover or breakdown.   | X                | —        |
| Mechanical characteristics                                     |                             |   |                           |  |                  |          |
| Mechanical operation   |                             | 30 times insertion and extraction.  |                           | 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.  |                           | No damage, crack or looseness of parts.  | X                | —        |
| Shock  |                             | 490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times each for 3 both axial directions.   |                           | No damage, crack or looseness of parts.  | X                | —        |
| Environmental characteristics                                  |                             |   |                           |  |                  |          |
| Damp heat (Steady state)                                       |                             | Exposed at 40 ± 2 °C, 90 to 95 %, 96 h. (After leaving the room temperature for 1 to 2 h.)  |                           | ① Insulation resistance: 1000 MΩ Min.<br>② No damage, crack or looseness of parts. | X                | —        |
| Rapid change of temperature                                    |                             | Temperature -55 °C → +85 °C<br>Time 30 min → 30 min<br>Under 5 cycles.<br>(The transferring time of the tank is 2 to 3 min)<br>(After leaving the room temperature for 1 to 2 h.) |                           | ① Insulation resistance: 1000 MΩ Min.<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 unused product on packaged condition.         |                             |   |                           |  |                  |          |
|  | Count                       | Description of revisions  | Designed                  | Checked  | Date             |          |
| △0   |                             |   |                           |  |                  |          |
| Unless otherwise specified, refer to IEC 60512.                |                             |   |                           | Approved   | SJ. OKAMURA      | 20210824 |
|  |                             |   |                           | Checked  | SZ. ONO          | 20210824 |
|  |                             |   |                           | Designed   | HT. SATO         | 20210824 |
|  |                             |   |                           | Drawn  | TS. HONJO        | 20210824 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test |                             |   | Drawing No.               |  | ELC-353519-11-00 |          |
| HRS  | Specification sheet         |   | Part No.                  | DF62W-3S-2. 2C (11)  |                  |          |
|  | HIROSE ELECTRIC CO., LTD.   |   | Code No.                  | CL0544-1004-2-11   | △                | 1/1      |