

| APPLICABLE STANDARD                                                                                                                                                                                                                                                                         |                                                                                                     |                                                                                                                                                                      |                                                          |             |                                                                                  |                                                          |              |                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------|----------------------------------------------------------------------------------|----------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------|
| RATING                                                                                                                                                                                                                                                                                      | OPERATING TEMPERATURE RANGE                                                                         |                                                                                                                                                                      | -35 °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                                                                                |                                                                                                                                                                      | DF62#-2S-2.2C(##)                                        |             | VOLTAGE                                                                          | 250V AC/DC                                               |              |                                                                                           |
|                                                                                                                                                                                                                                                                                             | UL・C-UL RATING<br> | VOLTAGE                                                                                                                                                              | 250 V AC/DC                                              |             | CURRENT                                                                          | AWG 22 : 4A/pin<br>AWG 24 : 2A/pin<br>AWG 26-30 : 1A/pin |              |                                                                                           |
|                                                                                                                                                                                                                                                                                             |                                                                                                     | CURRENT                                                                                                                                                              | AWG 22 : 3A/pin<br>AWG 24 : 2A/pin<br>AWG 26-30 : 1A/pin |             |                                                                                  |                                                          |              |                                                                                           |
|                                                                                                                                                                                                                                                                                             | OPERATING TEMPERATURE RANGE                                                                         |                                                                                                                                                                      | -35 °C TO +75°C (NOTE1)                                  |             | APPLICABLE CONTACT                                                               | DF62-EP22PC*<br>DF62-EP2428PC*<br>DF62-EP30PC*           |              |                                                                                           |
| 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 1~2h.)                                                                               |                                                          |             | ①INSULATION RESISTANCE: 1000 MΩ MIN.<br>②NO DAMAGE, CRACK OR LOOSENESS OF PARTS. |                                                          | X            | —                                                                                         |
| RAPID CHANGE OF TEMPERATURE                                                                                                                                                                                                                                                                 |                                                                                                     | TEMPERATURE -55°C→ +85°C<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.) |                                                          |             | ①INSULATION RESISTANCE: 1000 MΩ MIN.<br>②NO DAMAGE, CRACK OR LOOSENESS OF PARTS. |                                                          | X            | —                                                                                         |
|                                                                                                                                                                                                                                                                                             |                                                                                                     |                                                                                                                                                                      |                                                          |             |                                                                                  |                                                          |              |                                                                                           |
| NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.<br>NOTE 2:NO CONDENSING<br>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 STRAGE DURING TRANSPORTATION. |                                                                                                     |                                                                                                                                                                      |                                                          |             |                                                                                  |                                                          |              |                                                                                           |
|                                                                                                                                                                                                          | COUNT                                                                                               | DESCRIPTION OF REVISIONS                                                                                                                                             |                                                          | DESIGNED    |                                                                                  | CHECKED                                                  |              | DATE                                                                                      |
| 1                                                                                                                                                                                                                                                                                           | 1                                                                                                   | DIS-H-00019490                                                                                                                                                       |                                                          | RI. GENDA   |                                                                                  | SZ. ONO                                                  |              | 20231206                                                                                  |
| REMARKS<br><br>Unless otherwise specified, refer to IEC 60512.                                                                                                                                                                                                                              |                                                                                                     |                                                                                                                                                                      |                                                          |             |                                                                                  | APPROVED                                                 | KI. AKIYAMA  | 20140310                                                                                  |
|                                                                                                                                                                                                                                                                                             |                                                                                                     |                                                                                                                                                                      |                                                          |             |                                                                                  | CHECKED                                                  | HK. UMEHARA  | 20140310                                                                                  |
|                                                                                                                                                                                                                                                                                             |                                                                                                     |                                                                                                                                                                      |                                                          |             |                                                                                  | DESIGNED                                                 | TS. KUMAZAWA | 20140307                                                                                  |
|                                                                                                                                                                                                                                                                                             |                                                                                                     |                                                                                                                                                                      |                                                          |             |                                                                                  | DRAWN                                                    | TS. KUMAZAWA | 20140307                                                                                  |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test                                                                                                                                                                                                                              |                                                                                                     |                                                                                                                                                                      |                                                          | DRAWING NO. |                                                                                  | ELC-349135-10-01                                         |              |                                                                                           |
|                                                                                                                                                                                                          | SPECIFICATION SHEET                                                                                 |                                                                                                                                                                      |                                                          | PART NO.    |                                                                                  | DF62P-2EP-2. 2C (10)                                     |              |                                                                                           |
|                                                                                                                                                                                                                                                                                             | HIROSE ELECTRIC CO., LTD.                                                                           |                                                                                                                                                                      |                                                          | CODE NO.    |                                                                                  | CL0544-0543-1-10                                         |              |  1/1 |