


| APPLICABLE STANDARD |                             |                                                                                                            |                           |                     |
|---------------------|-----------------------------|------------------------------------------------------------------------------------------------------------|---------------------------|---------------------|
| RATING              | OPERATING TEMPERATURE RANGE | -40°C TO + 85°C (NOTE 1)  | STORAGE TEMPERATURE RANGE | -10°C TO + 60°C     |
|                     | OPERATING HUMIDITY RANGE    | 40% TO + 80% (NOTE 2)                                                                                      | STORAGE HUMIDITY RANGE    | 40% TO + 70%        |
|                     | VOLTAGE                     | 250V AC                                                                                                    | APPLICABLE CONNECTOR      | DF11-*DS-2C         |
|                     | CURRENT                     | 0.5A                                                                                                       | APPLICABLE CABLE          | UL1061/UL1007 AWG30 |

### SPECIFICATIONS




| ITEM                | TEST METHOD                           | REQUIREMENTS          | QT | AT |
|---------------------|---------------------------------------|-----------------------|----|----|
| <b>CONSTRUCTION</b> |                                       |                       |    |    |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING. | X  | X  |
| MARKING             | CONFIRMED VISUALLY.                   |                       | X  | X  |

| <b>ELECTRIC CHARACTERISTICS</b> |                        |           |   |   |
|---------------------------------|------------------------|-----------|---|---|
| CONTACT RESISTANCE              | 100mA (DC OR 1000 Hz). | 30mΩ MAX. | X | - |

| <b>MECHANICAL CHARACTERISTICS</b>      |                                                                            |                                                                                    |   |   |
|----------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------|---|---|
| MECHANICAL OPERATION                   | 50 TIMES INSERTIONS AND EXTRACTIONS.                                       | ① CONTACT RESISTANCE: 30mΩ MAX.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.       | X | - |
| CONTACT INSERTION AND EXTRACTION FORCE | □0.5±0.002 BY STEEL GAUGE.                                                 | INSERTION FORCE 4.4N MAX<br>EXTRACTION FORCE 0.3N MIN                              | X | - |
| VIBRATION                              | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 1μs.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
| SHOCK                                  | 490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.  | ① NO ELECTRICAL DISCONTINUITY OF 1μs.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |

| <b>ENVIRONMENTAL CHARACTERISTICS</b> |                                                                                                 |                                                                              |   |   |
|--------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---|---|
| RAPID CHANGE OF TEMPERATURE          | TEMPERATURE -55→ 5 TO 35→ 85→ 5 TO 35 °C<br>TIME 30→10 TO 15→30→10 TO 15 min<br>UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 30mΩ MAX.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
| DAMP HEAT (STEADY STATE)             | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.                                                         | ① CONTACT RESISTANCE: 30mΩ MAX.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
|                                      |                                                                                                 |                                                                              |   |   |

**REMARKS**  
NOTE 1: INCLUDING THE TEMPERATURE RISE BY CURRENT  
NOTE 2: NO CONDENSING.

| COUNT                                                                                 | DESCRIPTION OF REVISIONS  | DESIGNED     | CHECKED          | DATE                                                                                      |
|---------------------------------------------------------------------------------------|---------------------------|--------------|------------------|-------------------------------------------------------------------------------------------|
|  1 | DIS-H-008540              | MI. SAKIMURA | HK. UMEHARA      | 14. 02. 26                                                                                |
| Unless otherwise specified, refer to IEC 60512.                                       |                           |              | APPROVED         | TS. SAKATA 09. 11. 17                                                                     |
|                                                                                       |                           |              | CHECKED          | TS. FUKUSHIMA 09. 11. 17                                                                  |
|                                                                                       |                           |              | DESIGNED         | TH. YOSHI ZAWA 09. 11. 16                                                                 |
|                                                                                       |                           |              | DRAWN            | TH. YOSHI ZAWA 09. 11. 16                                                                 |
| Note QT: Qualification Test AT: Assurance Test X: Applicable Test                     |                           | DRAWING NO.  | ELC4-081092-01   |                                                                                           |
|    | SPECIFICATION SHEET       | PART NO.     | DF11-30SCFA (04) |                                                                                           |
|                                                                                       | HIROSE ELECTRIC CO., LTD. | CODE NO.     | CL543-0607-6-04  |  1/1 |