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| APPLICABLE STANDARD  |   |   |                           |                           |
|--|---|---|---------------------------|---------------------------|
| RATING   | OPERATING TEMPERATURE RANGE   | -40°C TO +85°C(95%RH MAX)   | STORAGE TEMPERATURE RANGE | -40°C TO +85°C(95%RH MAX) |
|  | POWER   | ----- W   | CHARACTERISTIC IMPEDANCE  | 50Ω ( 0 TO 6 GHz)         |
|  | PECULIARITY   | -----   | APPLICABLE CABLE          | -----                     |
| <b>SPECIFICATIONS</b>  |   |   |                           |                           |
| ITEM   | TEST METHOD   | REQUIREMENTS  | QT                        | AT                        |
| <b>CONSTRUCTION</b>  |   |   |                           |                           |
| GENERAL EXAMINATION  | VISUALLY AND BY MEASURING INSTRUMENT.   | ACCORDING TO DRAWING.   | X                         | X                         |
| MARKING  | CONFIRMED VISUALLY.   |   | -                         | -                         |
| <b>ELECTRIC CHARACTERISTICS</b>                                |   |   |                           |                           |
| CONTACT RESISTANCE   | mA MAX (DC OR 1000 Hz).   | CENTER CONTACT  | mΩ MAX.                   | -                         |
|  |   | OUTER CONTACT   | mΩ MAX.                   | -                         |
| INSULATION RESISTANCE  | 100 V DC  | 500 MΩ MIN.   | X                         | -                         |
| VOLTAGE PROOF  | 250 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.   | NO FLASHOVER OR BREAKDOWN.  | X                         | -                         |
| VOLTAGE STANDING WAVE RATIO                                    | FREQUENCY 0.045 TO 6 GHz.   | VSWR 1.2 MAX.   | X                         | -                         |
| INSERTION LOSS   | FREQUENCY TO GHz  | dB MAX.   | -                         | -                         |
| <b>MECHANICAL CHARACTERISTICS</b>                              |   |   |                           |                           |
| CONTACT INSERTION AND EXTRACTION FORCES                        | MEASURED BY φ0.9017 <sup>0</sup> <sub>-0.0025</sub> STEEL GAUGE.                      | INSERTION FORCE   | N MAX.                    | -                         |
|  |   | EXTRACTION FORCE  | 0.3 N MIN.                | X                         |
| INSERTION AND WITHDRAWAL FORCES                                | MEASURED BY APPLICABLE CONNECTOR.   | INSERTION FORCE   | N MAX.                    | -                         |
|  |   | EXTRACTION FORCE  | N MAX.                    | -                         |
| MECHANICAL OPERATION (W.FL SIDE)                               | 10000 TIMES INSERTIONS AND EXTRACTIONS. (400-600 cycles per hour)                     | 1) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.   | X                         | -                         |
| VIBRATION  | FREQUENCY TO Hz<br>SINGLE AMPLITUDE mm, m/s <sup>2</sup><br>AT CYCLES FOR DIRECTIONS. | 1) NO ELECTRICAL DISCONTINUITY OF μs.<br>2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.  | -                         | -                         |
| SHOCK  | m/s <sup>2</sup> DIRECTIONS OF PULSE ms<br>AT TIMES FOR DIRECTIONS.                   |   | -                         | -                         |
| CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)                    | APPLYING A PULL FORCE THE CABLE AXIALLY AT N MAX.                                     | 1) NO WITHDRAWAL AND BREAKAGE OF CABLE.<br>2) NO BREAKAGE OF CLAMP.   | -                         | -                         |
| <b>ENVIRONMENTAL CHARACTERISTICS</b>                           |   |   |                           |                           |
| DAMP HEAT,CYCLIC   | EXPOSED AT TO °C, ~ %<br>TOTAL CYCLES( h )  | 1) INSULATION RESISTANCE: MΩ MIN. (AT HIGH HUMIDITY)<br>2) INSULATION RESISTANCE: MΩ MIN. (AT DRY)<br>3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | -                         | -                         |
| RAPID CHANGE OF TEMPERATURE                                    | TEMPERATURE → → → °C<br>TIME → → → min.<br>UNDER CYCLES.                              | NO DAMAGE, CRACK AND LOOSENESS OF PARTS.  | -                         | -                         |
| CORROSION SALT MIST  | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.   | NO AIR LEAKAGE.   | X                         | -                         |
|  |   |   |                           |                           |
|  |   |   |                           |                           |
| COUNT  | DESCRIPTION OF REVISIONS  | DESIGNED  | CHECKED                   | DATE                      |
| 0  |   |   |                           |                           |
| REMARK   |   | APPROVED  | IJ.MITANI                 | 05.08.10                  |
|  |   | CHECKED   | KY.SHIMIZU                | 05.08.10                  |
|  |   | DESIGNED  | NK.NINOMIYA               | 05.08.08                  |
|  |   | DRAWN   | NK.NINOMIYA               | 05.08.08                  |
| Unless otherwise specified, refer to JIS C 5402.               |   |   |                           |                           |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test |   | DRAWING NO.   | ELG4-310456-00            |                           |
| <b>HRS</b>   | SPECIFICATION SHEET   | PART NO.  | HRMJ-W.FLP-ST3            |                           |
|  | HIROSE ELECTRIC CO., LTD.   | CODE NO.  | CL311-0408-9-00           | 1/1                       |