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| APPLICABLE STANDARD   |  |                          |   |                 |   |
|---|--|--------------------------|---|-----------------|---|
| RATING  | OPERATING TEMPERATURE RANGE  | -25°C TO +85°C           | STORAGE TEMPERATURE RANGE               | -10°C TO +60°C  |   |
|   |  |                          |   |                 |   |
|   |  |                          | APPLICABLE CABLE                        | φ6.2 TO φ7      |   |
| 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   |
| MECHANICAL CHARACTERISTICS  |  |                          |   |                 |   |
| VIBRATION   | FREQUENCY 10 TO 55 Hz(1CYC, 5min), SINGLE AMPLITUDE 0.75 mm, AT 10 CYC, FOR 3 DIRECTIONS.                        |                          | NO SEPARTION FROM APPLICABLE CONNECTOR. | X               | —   |
| SHOCK   | IN OPPOSITE DIRECTIONS OF EACH 3 DIMENSIONAL AXIS FOR 3 TIMES AT 490 m/s <sup>2</sup> DURACTION OF PULSE 11 ms.  |                          | NO SEPARTION FROM APPLICABLE CONNECTOR. | X               | —   |
| ENVIRONMENTAL CHARACTERISTICS   |  |                          |   |                 |   |
| RAPID CHANGE OF TEMPERATURE   | TEMPERATURE -55 → R/T <sup>(1)</sup> → +85 → R/T °C<br>TIME 30 → 10 TO 15 → 30 → 10 TO 15 min<br>UNDER 5 CYCLES. |                          | NO DAMAGE AND CRACK OF PARTS.           | X               | —   |
| DRY HEAT  | EXPOSED AT +85 °C , 96 h.  |                          | NO DAMAGE AND CRACK OF PARTS.           | X               | —   |
| COLD  | EXPOSED AT -55 °C , 96 h.  |                          | NO DAMAGE AND CRACK OF PARTS.           | X               | —   |
| SEALING <sup>(2)</sup>  | EXPOSED AT A DEPTH OF 1 m FOR 0.5 h.   |                          | NO WATER PENETRATION INSIDE CONNECTOR.  | X               | —   |
|   |  |                          |   |                 |   |
|   | COUNT  | DESCRIPTION OF REVISIONS | DESIGNED                                | CHECKED         | DATE  |
|  |  |                          |   |                 |   |
| REMARK  |  |                          | APPROVED                                | HY. KOBAYASHI   | 18.03.16  |
| NOTES(1) R/T : ROOM TEMPERATURE   |  |                          | CHECKED                                 | HY. KOBAYASHI   | 18.03.16  |
| (2)SEALING SHALL BE TESTED BY APPLICABLE CONNECTOR.                                 |  |                          | DESIGNED                                | DS. MATSUNE     | 18.03.16  |
| Unless otherwise specified, refer to IEC 60512.(JIS C 5402)                         |  |                          | DRAWN                                   | DS. MATSUNE     | 18.03.16  |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test                      |  |                          | DRAWING NO.                             |                 | ELC-112684-31-00  |
|  | SPECIFICATION SHEET  |                          | PART NO.                                | HR30-8P-C (31)  |   |
|   | HIROSE ELECTRIC CO., LTD.  |                          | CODE NO.                                | CL130-3003-5-31 |  1/1 |