



**THE DATASHEET OF  
HR30-6R-C(31)**



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| APPLICABLE STANDARD  |   |                          |  |                  |                  |
|--|---|--------------------------|--|------------------|------------------|
| RATING   | OPERATING TEMPERATURE RANGE   | -25 °C TO +85 °C         | STORAGE TEMPERATURE RANGE                | -10 °C TO +60 °C |                  |
|  | _____   | _____                    | _____                                    | _____            |                  |
|  | _____   | _____                    | _____                                    | _____            |                  |
| 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 SEPARATION FROM APPLICABLE CONNECTOR. | X                | -                |
| SHOCK  | IN OPPOSITE DIRECTIONS OF EACH 3 DEMENSION ALAXIS FOR 3 TIMES AT 490 m/s <sup>2</sup> DURATIONS OF PULSE 11 ms. |                          | NO SEPARATION 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, CRACK OF PARTS.               | X                | -                |
| DRY HEAT   | EXPOSED AT + 85 °C , 96 h.  |                          | NO DAMAGE, CRACK OF PARTS.               | X                | -                |
| COLD   | EXPOSED AT - 55 °C , 96 h.  |                          | NO DAMAGE, 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             |
| ①  |   |                          |  |                  |                  |
| 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-112274-31-00 |
| <b>HRS</b>   | SPECIFICATION SHEET   |                          | PART NO.                                 | HR30-6R-C (31)   |                  |
|  | HIROSE ELECTRIC CO., LTD.   |                          | CODE NO.                                 | CL130-3001-0-31  | 1/1              |

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