




| APPLICABLE STANDARD   |   |                          |   |                             |   |
|---|---|--------------------------|---|-----------------------------|---|
| RATING  | OPERATING TEMPERATURE RANGE   | -35°C TO 85°C (NOTE 1)   | STORAGE TEMPERATURE RANGE   | -10°C TO 60°C               |   |
|   | VOLTAGE   | 30V AC                   | APPLICABLE CONNECTOR  | BM14B (0.8) -34DP-0.4V (**) |   |
|   | CURRENT   | 0.3A                     |   |                             |   |
| 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  |   |                          |   |                             |   |
| CONTACT RESISTANCE  | 20mV AC OR LESS 1kHz,1mA .  |                          | 100mΩ MAX.  | X                           | -   |
| INSULATION RESISTANCE   | 100V DC.  |                          | 50MΩ MIN.   | X                           | -   |
| VOLTAGE PROOF   | 100V AC FOR 1 min.  |                          | NO FLASHOVER OR BREAKDOWN.  | X                           | -   |
| MECHANICAL CHARACTERISTICS  |   |                          |   |                             |   |
| MECHANICAL OPERATION  | 10TIMES INSERTIONS AND EXTRACTIONS.   |                          | ① CONTACT RESISTANCE: 100mΩ MAX.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.                                       | X                           | -   |
| VIBRATION   | FREQUENCY 10 TO 55 TO 10 Hz,APPROX 5min,<br>SINGLE AMPLITUDE 0.75 mm,10CYCLES,<br>FOR 3 DIRECTIONS.             |                          | ① NO ELECTRICAL DISCONTINUITY OF 1 μs.<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<br>FOR 3 DIRECTIONS.                                    |                          | ① NO ELECTRICAL DISCONTINUITY OF 1 μs.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.                                 | X                           | -   |
| ENVIRONMENTAL CHARACTERISTICS   |   |                          |   |                             |   |
| RAPID CHANGE OF TEMPERATURE   | TEMPERATURE -55 → +85°C<br>TIME 30 → 30 min<br>UNDER 5 CYCLES.<br>(RELOCATION TIME TO CHANBER : WITHIN 2-3 min) |                          | ① CONTACT RESISTANCE: 100mΩ MAX.<br>② INSULATION RESISTANCE: 50MΩ MIN.<br>③ 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: 100mΩ MAX.<br>② INSULATION RESISTANCE: 25MΩ MIN.<br>③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X                           | -   |
| SULPHUR DIOXIDE   | EXPOSED IN 25 PPM FOR 96h,25°C,75%.<br>(REFER TO JIS C 60068)   |                          | ① CONTACT RESISTANCE: 100mΩ MAX.<br>② NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.             | X                           | -   |
|   |   |                          |   |                             |   |
|   | COUNT   | DESCRIPTION OF REVISIONS | DESIGNED  | CHECKED                     | DATE  |
|  |   |                          |   |                             |   |
| REMARKS   |   |                          | APPROVED  | KH. IKEDA                   | 14. 01. 23  |
| NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT                                    |   |                          | CHECKED   | TS. MIYAZAKI                | 14. 01. 23  |
| Unless otherwise specified, refer to JIS C 5402 and IEC 60512.                      |   |                          | DESIGNED  | YH. MICHIDA                 | 14. 01. 23  |
|   |   |                          | DRAWN   | KR. AJITO                   | 14. 01. 23  |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test                      |   |                          | DRAWING NO.   |                             | ELC4-319842-01  |
|  | SPECIFICATION SHEET   |                          | PART NO.  | BM14B (0.8) -34DS-0.4V (51) |   |
|   | HIROSE ELECTRIC CO., LTD.   |                          | CODE NO.  | CL684-8007-6-51             |  1/1 |