

| APPLICABLE STANDARD | | | | STORAGE TEMPERATURE RANGE | -10°C TO 60°C | |
|--|-----------------------------|--|---------|---|----------------|--|
| RATING | OPERATING TEMPERATURE RANGE | -35°C TO 85°C (NOTE 1) | | APPLICABLE CONNECTOR | BM22-6S-V (**) | |
| | VOLTAGE | 50V AC/DC | | | | |
| CURRENT | SIGNAL CONTACT : 0.3A | | | | | |
| | POWER CONTACT : 4.0A | | | | | |
| SPECIFICATIONS | | | | | | |
| ITEM | TEST METHOD | | | REQUIREMENTS | | |
| CONSTRUCTION | | | | GENERAL EXAMINATION VISUALLY AND BY MEASURING INSTRUMENT. | | |
| MARKING | | | | CONFIRMED VISUALLY. | | |
| ELECTRIC CHARACTERISTICS | | | | | | |
| CONTACT RESISTANCE | 20mV AC OR LESS 1KHz,1m A. | | | Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX. | | X |
| INSULATION RESISTANCE | 100V DC. | | | 100MΩ MIN. | | X |
| VOLTAGE PROOF | 150V AC FOR 1 min. | | | NO FLASHOVER OR BREAKDOWN. | | X |
| MECHANICAL CHARACTERISTICS | | | | | | |
| MECHANICAL OPERATION | | | | 10TIMES INSERTIONS AND EXTRACTIONS. | | ① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. |
| VIBRATION | | | | FREQUENCY 10 TO 55 TO 10 Hz,APPROX 5min, SINGLE AMPLITUDE 0.75 mm,100CYCLES, FOR 3 DIRECTIONS. | | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. |
| SHOCK | | | | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE -55 → +85°C 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER : WITHIN 2.3 min) | | ① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② INSULATION RESISTANCE: 100MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | X |
| DAMP HEAT (STEADY STATE) | | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. | | ① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② INSULATION RESISTANCE: 50MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | X |
| SULPHUR DIOXIDE | | EXPOSED IN 25 PPM FOR 96h,25°C,75%. (REFER TO JIS C 60068) | | ① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR. | | X |
| COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE | | |
| REMARKS | | | | | | |
| NOTE 1 : INCLUDE THE TEMPERATURE RISING BY CURRENT | | | | | | |
| Unless otherwise specified, refer to JIS C 5402 and IEC 60512. | | | | | | |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | DRAWING NO. | | ELC4-356262-02 | | |
| HRS | | SPECIFICATION SHEET | | PART NO. | | BM22L-6P-V(53) |
| HIROSE ELECTRIC CO., LTD. | | CODE NO. | | CL677-1007-0-53 | | 1/1 |