





| APPLICABLE STANDARD | | | | |
|---|---|---|------------------------------|---|
| RATING | OPERATING TEMPERATURE RANGE | -40°C TO 85°C(NOTE 1) | STORAGE TEMPERATURE RANGE | -10°C TO 60°C |
| | VOLTAGE | 30V AC/DC | APPLICABLE CONNECTOR | BM28B0. 6-10DS/2-0. 35V |
| | CURRENT | SIGNAL CONTACT : 0.3A POWER CONTACT : 5.0A  | | |
| 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,1m A . | Signal contact resistance: 100 mΩ MAX. Power contact resistance: 30 mΩ 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 Signal contact resistance: 100 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
| VIBRATION | FREQUENCY 10 TO 55 TO 10 Hz,APPROX 5min, SINGLE AMPLITUDE 0.75 mm,10CYCLES, FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
| 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. | X | - |
| ENVIRONMENTAL CHARACTERISTICS | | | | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55 → +85°C TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHANBER : WITHIN 2-3 min) | ① Signal contact resistance: 100 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② INSULATION RESISTANCE: 50MΩ 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: 100 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② INSULATION RESISTANCE: 25MΩ 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: 100 mΩ MAX. Power contact resistance: 30 mΩ MAX. | X | - |
| | | | | |
| COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|  1 | DIS-H-00001801 | NY. YAMASHIRO | TS. MIYAZAKI | 16.07.01 |
| REMARKS | | APPROVED | MO. ISHIDA | 15.07.15 |
| NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT | | CHECKED | TS. MIYAZAKI | 15.07.14 |
| Unless otherwise specified, refer to JIS C 5402 and IEC 60512. | | DESIGNED | YK. SATAKE | 15.07.14 |
| | | DRAWN | KR. AJITO | 15.07.14 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | DRAWING NO. | ELC-365297-51-01 | |
|  | SPECIFICATION SHEET | PART NO. | BM28B0. 6-10DP/2-0. 35V (51) | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL673-5043-0-51 |  1/1 |