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| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|---|-----------------------------|--|---|--------------------------------|--|-------------------------------|--------------------------------------|---|----------|
| △ 1 | RE-6-0909 | LYJ | JHW | 17.16.15 | △ 1 | RE-6-1554 | PSG | JHW | 19.10.07 |
| APPLICABLE STANDARD | | | | | | | | | |
| RATING | OPERATING TEMPERATURE RANGE | -55℃ TO +85℃(note1) | | | STORAGE TEMPERATURE RANGE | -10℃ TO +60℃ | | | |
| | VOLTAGE | 30 V AC/DC | | | APPLICABLE CONNECTOR △ | BM23PF0.8-20DP-0.35V(**) | | | |
| | CURRENT | △ | SIGNAL CONTACT 0.3A POWER CONTACT 5.0A | | | | | | |
| SPECIFICATIONS | | | | | | | | | |
| ITEM | | TEST METHOD | | | REQUIREMENTS | | | QT | AT |
| CONSTRUCTION | | | | | | | | | |
| GENERAL EXAMINATION | | CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT. | | | ACCORDING TO DRAWING. | | | X | X |
| MARKING | | CONFIRMED VISUALLY. | | | | | | X | X |
| ELECTRICAL CHARACTERISTICS | | | | | | | | | |
| CONTACT RESISTANCE | | 20mV AC OR LESS 1kHz, 1mA | | | SIGNAL CONTACT : 90mΩ MAX POWER CONTACT : 30mΩ MAX | | | X | - |
| INSULATION RESISTANCE | | 100V DC | | | 50MΩ MIN | | | X | - |
| VOLTAGE PROOF | | 100V AC FOR 1min. | | | NO FLASHOVER OR BREAKDOWN | | | X | - |
| MECHANICAL CHARACTERISTICS | | | | | | | | | |
| MECHANICAL OPERATION | | 10 TIMES INSERTIONS AND EXTRACTIONS. | | | ① CONTACT RESISTANCE: SIGNAL CONTACT : 90mΩ MAX POWER CONTACT : 30mΩ MAX ② NO DAMAGE, CRACK OR LOOSENESS OF PATRS. | | | X | - |
| VIBRATION | | FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5min SINGLE AMPLITUDE 0.75mm, 10CYCLES, FOR 3 DIRECTIONS. | | | ① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | X | - |
| SHOCK | | 490 m/s² DURATION OF PULSE 11ms AT 3 TIMES FOR 3 DIRECTIONS. | | | ① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | X | - |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | | | | |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE -55 → +85℃ TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER: WITHIN2~3 MIN) | | | ① CONTACT RESISTANCE: SIGNAL CONTACT : 90mΩ MAX POWER CONTACT : 30mΩ MAX ② INSULATION RESISTANCE: 50MΩ MIN ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | X | - |
| DAMP HEAT (STEADY STATE) | | EXPOSED AT 40±2℃, 90 TO 95%, 96h. | | | ① CONTACT RESISTANCE: SIGNAL CONTACT : 90mΩ MAX POWER CONTACT : 30mΩ MAX ② INSULATION RESISTANCE: 25MΩ MIN ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | X | - |
| SULPHUR DIOXIDE | | EXPOSED IN 25 PPM FOR 96h, 25℃, 75±5%RH. (Test standard : JIS C 60068) | | | ① CONTACT RESISTANCE: SIGNAL CONTACT : 90mΩ MAX POWER CONTACT : 30mΩ MAX ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | X | - |
| REFERENCE DRAWING | | | | | | | | | |
| REMARKS Note 1 : INCLUDE THE TEMPERATURE RISING BY CURRENT. Unless otherwise specified, refer to JIS C 5402 and IEC 60512 | | | | DRAWN S.H.JUNG 16.01.06 | DESIGNED S.H.JUNG 16.01.06 | CHECKED H.W.JO 16.01.06 | APPROVED T.S.KANG 16.01.06 | RELEASED  | |
| Note QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST | | | | | | | | | |
| HIROSE KOREA CO.,LTD. | | | | SPECIFICATION SHEET | | | PART NO. BM23PF0.8-20DS-0.35V(51) | | |
| CODE NO.(OLD) CL | | DRAWING NO. ELC4-632053-51 | | CODE NO. CL 6644-0061-9-051 | | | | 1 | 1 |