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| COUNT   | DESCRIPTION OF REVISIONS    | BY   | CHKD                | DATE     | COUNT  | DESCRIPTION OF REVISIONS  | BY       | CHKD  | DATE |
|---|-----------------------------|--|---------------------|----------|--|---------------------------|----------|---|------|
| <b>APPLICABLE STANDARD</b>  |                             |  |                     |          |  |                           |          |   |      |
| RATING  | OPERATING TEMPERATURE RANGE | -55℃ TO +85℃(note1)  |                     |          | STORAGE TEMPERATURE RANGE  | -10℃ TO +60℃              |          |   |      |
|   | VOLTAGE                     | 30 V AC/DC   |                     |          | APPLICABLE CONNECTOR   | BM23PF0.8-10DP-0.35V(**)  |          |   |      |
|   | CURRENT                     | SIGNAL CONTACT 0.3A<br>POWER CONTACT 5.0A  |                     |          |  |                           |          |   |      |
| <b>SPECIFICATIONS</b>   |                             |  |                     |          |  |                           |          |   |      |
| ITEM  |                             | TEST METHOD  |                     |          | REQUIREMENTS   |                           |          | QT  | AT   |
| <b>CONSTRUCTION</b>   |                             |  |                     |          |  |                           |          |   |      |
| GENERAL EXAMINATION   |                             | CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT.  |                     |          | ACCORDING TO DRAWING.  |                           |          | X   | X    |
| MARKING   |                             | CONFIRMED VISUALLY.  |                     |          |  |                           |          | X   | X    |
| <b>ELECTRICAL CHARACTERISTICS</b>                                 |                             |  |                     |          |  |                           |          |   |      |
| CONTACT RESISTANCE  |                             | 20mV AC OR LESS 1kHz, 1mA  |                     |          | SIGNAL CONTACT : 90mΩ MAX<br>POWER CONTACT : 30mΩ MAX  |                           |          | X   | -    |
| INSULATION RESISTANCE   |                             | 100V DC  |                     |          | 50MΩ MIN   |                           |          | X   | -    |
| VOLTAGE PROOF   |                             | 100V AC FOR 1min.  |                     |          | NO FLASHOVER OR BREAKDOWN  |                           |          | X   | -    |
| <b>MECHANICAL CHARACTERISTICS</b>                                 |                             |  |                     |          |  |                           |          |   |      |
| MECHANICAL OPERATION  |                             | 10 TIMES INSERTIONS AND EXTRACTIONS.   |                     |          | ① CONTACT RESISTANCE:<br>SIGNAL CONTACT : 90mΩ MAX<br>POWER CONTACT : 30mΩ MAX<br>② NO DAMAGE, CRACK OR LOOSENESS OF PATRS.                                      |                           |          | X   | -    |
| VIBRATION   |                             | FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5min<br>SINGLE AMPLITUDE 0.75mm, 10CYCLES,<br>FOR 3 DIRECTIONS.          |                     |          | ① NO ELECTRICAL DISCONTINUITY OF 1μs.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.   |                           |          | X   | -    |
| SHOCK   |                             | 490 m/s <sup>2</sup> DURATION OF PULSE 11ms AT 3 TIMES<br>FOR 3 DIRECTIONS.                                  |                     |          | ① NO ELECTRICAL DISCONTINUITY OF 1μs.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.   |                           |          | X   | -    |
| <b>ENVIRONMENTAL CHARACTERISTICS</b>                              |                             |  |                     |          |  |                           |          |   |      |
| RAPID CHANGE OF TEMPERATURE                                       |                             | TEMPERATURE -55 → +85℃<br>TIME 30 → 30 min<br>UNDER 5 CYCLES.<br>(RELOCATION TIME TO CHAMBER: WITHIN2~3 MIN) |                     |          | ① CONTACT RESISTANCE:<br>SIGNAL CONTACT : 90mΩ MAX<br>POWER CONTACT : 30mΩ 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℃, 90 TO 95%, 96h.  |                     |          | ① CONTACT RESISTANCE:<br>SIGNAL CONTACT : 90mΩ MAX<br>POWER CONTACT : 30mΩ 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℃, 75±5%RH.<br>(Test standard : JIS C 60068)                                    |                     |          | ① CONTACT RESISTANCE:<br>SIGNAL CONTACT : 90mΩ MAX<br>POWER CONTACT : 30mΩ MAX<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.                                      |                           |          | X   | -    |
| <b>REMARKS</b>  |                             |  |                     |          |  |                           |          |   |      |
| Note 1 : INCLUDE THE TEMPERATURE RISING BY CURRENT.               |                             |  |                     | DRAWN    | DESIGNED   | CHECKED                   | APPROVED | RELEASED  |      |
| Unless otherwise specified, refer to JIS C 5402 and IEC 60512     |                             |  |                     | S.H.JUNG | S.H.JUNG   | H.W.JO                    | T.S.KANG |  |      |
|   |                             |  |                     | 17.05.10 | 17.05.10   | 17.05.10                  | 17.05.10 |   |      |
| Note QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST |                             |  |                     |          |  |                           |          |   |      |
| HIROSE KOREA CO.,LTD.   |                             |  | SPECIFICATION SHEET |          |  | PART NO.                  |          |   |      |
|   |                             |  |                     |          |  | BM23PF0.8-10DS-0.35V(895) |          |   |      |
| CODE NO.(OLD)   |                             | DRAWING NO.  |                     |          | CODE NO.   |                           |          | 1   |      |
| CL  |                             | SLC4-631938  |                     |          | CL 6644-0033-3-895   |                           |          | 1   |      |