

|                                                                   | COUNT                       | DESCRIPTION OF REVISIONS                                                                                     | BY                                          | CHKD | DATE                         |                                                                                                                                                                  | COUNT                         | DESCRIPTION OF REVISIONS         | BY                                  | CHKD | DATE |
|-------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------|------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------|-------------------------------------|------|------|
| △                                                                 | 1                           | RE-6-0915                                                                                                    | LYJ                                         | JHW  | 17.06.23                     |                                                                                                                                                                  |                               |                                  |                                     |      |      |
| APPLICABLE STANDARD                                               |                             |                                                                                                              |                                             |      |                              |                                                                                                                                                                  |                               |                                  |                                     |      |      |
| RATING                                                            | OPERATING TEMPERATURE RANGE |                                                                                                              | -55℃ TO +85℃(note1)                         |      |                              | STORAGE TEMPERATURE RANGE                                                                                                                                        |                               | -10℃ TO +60℃                     |                                     |      |      |
|                                                                   | VOLTAGE                     |                                                                                                              | 30 V AC/DC                                  |      |                              | APPLICABLE CONNECTOR                                                                                                                                             |                               | BM23PF0.8-30DP-0.35V(**)         |                                     |      |      |
|                                                                   | CURRENT                     |                                                                                                              | △ SIGNAL CONTACT 0.3A<br>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<br>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:<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/s² 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    | -    |
| ENVIRONMENTAL CHARACTERISTICS                                     |                             |                                                                                                              |                                             |      |                              |                                                                                                                                                                  |                               |                                  |                                     |      |      |
| 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    | -    |
| REMARKS                                                           |                             |                                                                                                              |                                             |      |                              |                                                                                                                                                                  |                               |                                  |                                     |      |      |
| Note 1 : INCLUDE THE TEMPERATURE RISING BY CURRENT.               |                             |                                                                                                              |                                             |      | DRAWN<br>Y.J.LEE<br>16.01.28 | DESIGNED<br>Y.J.LEE<br>16.01.28                                                                                                                                  | CHECKED<br>H.W.JO<br>16.01.28 | APPROVED<br>T.S.KANG<br>16.01.28 | RELEASED<br>ENG<br>17.06.23<br>DEPT |      |      |
| Unless otherwise specified, refer to JIS C 5402 and IEC 60512     |                             |                                                                                                              |                                             |      |                              |                                                                                                                                                                  |                               |                                  |                                     |      |      |
| Note QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST |                             |                                                                                                              |                                             |      |                              |                                                                                                                                                                  |                               |                                  |                                     |      |      |
| HIROSE KOREA CO.,LTD.                                             |                             |                                                                                                              | SPECIFICATION SHEET                         |      |                              | PART NO.<br>BM23PF0.8-30DS-0.35V(51)                                                                                                                             |                               |                                  |                                     |      |      |
| CODE NO.(OLD)<br>CL                                               |                             |                                                                                                              | DRAWING NO.<br>SLC4-631976                  |      |                              | CODE NO.<br>CL 6644-0048-0-051                                                                                                                                   |                               |                                  | 1<br>1                              |      |      |