

|                                                                               | COUNT                       | DESCRIPTION OF REVISIONS                                                                                     | BY                         | CHKD                          | DATE |                                                                                                                   | COUNT                                 | DESCRIPTION OF REVISIONS      | BY | CHKD                                              | DATE   |
|-------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------|------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------|----|---------------------------------------------------|--------|
|                                                                               |                             |                                                                                                              |                            |                               |      |                                                                                                                   |                                       |                               |    |                                                   |        |
| APPLICABLE STANDARD                                                           |                             |                                                                                                              |                            |                               |      |                                                                                                                   |                                       |                               |    |                                                   |        |
| RATING                                                                        | OPERATING TEMPERATURE RANGE |                                                                                                              | -55℃ TO +85℃(note1)        |                               |      | STORAGE TEMPERATURE RANGE                                                                                         |                                       | -10℃ TO +60℃                  |    |                                                   |        |
|                                                                               | VOLTAGE                     |                                                                                                              | 30 V AC/DC                 |                               |      | APPLICABLE CONNECTOR                                                                                              |                                       | BM23FR0.6-40DS-0.35V(**)      |    |                                                   |        |
|                                                                               | CURRENT                     |                                                                                                              | 0.3A                       |                               |      |                                                                                                                   |                                       |                               |    |                                                   |        |
| 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                                                                                    |                            |                               |      | 100mΩ 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: 100mΩ 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: 100mΩ 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: 100mΩ 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: 100mΩ MAX                                                                                   |                                       |                               | X  | -                                                 |        |
| <div>DRAWING FOR REFERENCE<br/>This is subject to change without notice</div> |                             |                                                                                                              |                            |                               |      |                                                                                                                   |                                       |                               |    |                                                   |        |
| REMARKS<br>Note 1 ; INCLUDE THE TEMPERATURE RISING BY CURRENT.                |                             |                                                                                                              |                            | DRAWN<br>S.H.JUNG<br>17.05.08 |      | DESIGNED<br>S.H.JUNG<br>17.05.08                                                                                  |                                       | CHECKED<br>H.W.JO<br>17.05.08 |    | APPROVED<br>T.S.KANG<br>17.05.08                  |        |
| Unless otherwise specified, refer to JIS C 5402 and IEC 60512                 |                             |                                                                                                              |                            |                               |      |                                                                                                                   |                                       |                               |    | <div>RELEASED<br/>ENG<br/>17.05.08<br/>DEPT</div> |        |
| Note QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST             |                             |                                                                                                              |                            |                               |      |                                                                                                                   |                                       |                               |    |                                                   |        |
| HIROSE KOREA CO.,LTD.                                                         |                             |                                                                                                              | SPECIFICATION SHEET        |                               |      |                                                                                                                   | PART NO.<br>BM23FR0.6-40DP-0.35V(895) |                               |    |                                                   |        |
| CODE NO.(OLD)<br>CL                                                           |                             |                                                                                                              | DRAWING NO.<br>SLC4-632176 |                               |      | CODE NO.<br>CL 6644-0082-9-895                                                                                    |                                       |                               |    |                                                   | 1<br>1 |