

| 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                                                                                              | BM23FR0.6-16DP-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                                                          |                             |                                                                                                              |                     |                               |                                                                                                                   |                                       |                                  |                                     |      |
| INSERTION AND WITHDRAWAL FORCES                                                     |                             | MEASURED BY APPLICABLE CONNECTOR.                                                                            |                     |                               | INSERTION FORCE - N MAX<br>EXTRACTION FORCE - N MIN                                                               |                                       |                                  | X                                   | -    |
| 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</div> <div>This is subjet 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 | RELEASED<br>ENG<br>17.05.08<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>BM23FR0.6-16DS-0.35V(895) |                                  |                                     |      |
| CODE NO.(OLD)<br>CL                                                                 |                             | DRAWING NO.<br>SLC4-632066                                                                                   |                     |                               | CODE NO.<br>CL 6644-0059-7-895                                                                                    |                                       |                                  | 1<br>1                              |      |