



**THE DATASHEET OF  
BM23FR0.6-20DP-0.35V(51)**



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| 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-***DS-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 SINGLE AMPLITUDE 0.75mm, 10CYCLES, 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 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 | - |

## DRAWING FOR REFERENCE

This is subject to change without notice

|  |                               |                                  |                               |                                  |   |
|--|-------------------------------|----------------------------------|-------------------------------|----------------------------------|---|
| REMARKS<br>Note 1 ; INCLUDE THE TEMPERATURE RISING BY CURRENT. | DRAWN<br>S.H.JUNG<br>16.01.12 | DESIGNED<br>S.H.JUNG<br>16.01.12 | CHECKED<br>H.W.JO<br>16.01.12 | APPROVED<br>T.S.KANG<br>16.01.12 | RELEASED<br> |
|--|-------------------------------|----------------------------------|-------------------------------|----------------------------------|---|

Note QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST

|                       |                     |                                       |
|-----------------------|---------------------|---------------------------------------|
| HIROSE KOREA CO.,LTD. | SPECIFICATION SHEET | PART NO.<br>BM23FR0.6-***DP-0.35V(51) |
|-----------------------|---------------------|---------------------------------------|

|                     |                           |                                |          |
|---------------------|---------------------------|--------------------------------|----------|
| CODE NO.(OLD)<br>CL | DRAWING NO.<br>SLC4-***** | CODE NO.<br>CL 66**-*****--051 | 1<br>/ 1 |
|---------------------|---------------------------|--------------------------------|----------|

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