



**THE DATASHEET OF
BM23PF0.8-40DS-0.35V(51)**



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| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|-------|--------------------------|-----|------|----------|-------|--------------------------|----|------|------|
| △ 1 | RE-6-0909 | LYJ | JHW | 17.06.15 | | | | | |

| APPLICABLE STANDARD | | | | | |
|---------------------|-----------------------------|---|--|---------------------------|--------------------------|
| RATING | OPERATING TEMPERATURE RANGE | -55℃ TO +85℃(note1) | | STORAGE TEMPERATURE RANGE | -10℃ TO +60℃ |
| | VOLTAGE | 30 V AC/DC | | APPLICABLE CONNECTOR | BM23PF0.8-40DP-0.35V(**) |
| | CURRENT | SIGNAL CONTACT 0.3A △ 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 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: SIGNAL CONTACT : 90mΩ MAX POWER CONTACT : 30mΩ MAX 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. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
| SHOCK | 490 m/s² DURATION OF PULSE 11ms AT 3 TIMES FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |

| ENVIRONMENTAL CHARACTERISTICS | | | | |
|-------------------------------|--|--|---|---|
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55 → +85℃ TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER: WITHIN2~3 MIN) | ① CONTACT RESISTANCE: SIGNAL CONTACT : 90mΩ MAX POWER CONTACT : 30mΩ MAX ② INSULATION RESISTANCE: 50MΩ MIN ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40±2℃, 90 TO 95%, 96h. | ① CONTACT RESISTANCE: SIGNAL CONTACT : 90mΩ MAX POWER CONTACT : 30mΩ MAX ② INSULATION RESISTANCE: 25MΩ MIN ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
| SULPHUR DIOXIDE | EXPOSED IN 25 PPM FOR 96h, 25℃, 75±5%RH. (Test standard : JIS C 60068) | ① CONTACT RESISTANCE: SIGNAL CONTACT : 90mΩ MAX POWER CONTACT : 30mΩ MAX ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |

REFERENCE DRAWING

| REMARKS | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
|---|----------|----------|----------|----------|--|
| Note 1 : INCLUDE THE TEMPERATURE RISING BY CURRENT. | Y.J.LEE | Y.J.LEE | H.W.JO | T.S.KANG | <div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> ENG 17.06.15 DEPT </div> |
| Unless otherwise specified, refer to JIS C 5402 and IEC 60512 | 16.01.12 | 16.01.12 | 16.01.12 | 16.01.12 | |



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

| | | |
|-----------------------|---------------------|--------------------------------------|
| HIROSE KOREA CO.,LTD. | SPECIFICATION SHEET | PART NO. BM23PF0.8-40DS-0.35V(51) |
|-----------------------|---------------------|--------------------------------------|

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

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