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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
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| APPLICABLE STANDARD | | | | | |
|---------------------|-----------------------------|---------------------|--|---------------------------|--------------------------|
| RATING | OPERATING TEMPERATURE RANGE | -55℃ TO +85℃(note1) | | STORAGE TEMPERATURE RANGE | -10℃ TO +60℃ |
| | VOLTAGE | 30 V AC/DC | | APPLICABLE CONNECTOR | BM23FR0.6-30DS-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 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/s ² 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: 100mΩ 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: 100mΩ 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: 100mΩ MAX | X | - |

DRAWING FOR REFERENCE

This is subjet to change without notice

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| REMARKS Note 1 ; INCLUDE THE TEMPERATURE RISING BY CURRENT. | DRAWN S.H.JUNG 17.05.08 | DESIGNED S.H.JUNG 17.05.08 | CHECKED H.W.JO 17.05.08 | APPROVED T.S.KANG 17.05.08 | RELEASED  |
|--|-------------------------------|----------------------------------|-------------------------------|----------------------------------|---|

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

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| HIROSE KOREA CO.,LTD. | SPECIFICATION SHEET | PART NO. BM23FR0.6-30DP-0.35V(895) |
| CODE NO.(OLD) CL | DRAWING NO. SLC4-632122 | CODE NO. CL 6644-0078-1-895 |

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