

| 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 | BM23FR0.8-18DS-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 |

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|-----------------------------------|---------------------------|---------------------------|---|---|
| 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 | - |

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|-----------------------------------|---|--|---|---|
| Mechanical Characteristics | | | | |
| OPERATION | 10 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 100mΩ MAX ② NO DAMAGE, CRACK OR LOOSENESS OF PATRS. | X | - |
| OPERATION | 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 | - |

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|---|--|---|---|---|
| ENVIRONMENTAL CHARACTERISTICS | | | | |
| TEMPERATURE 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 | - |
| TEMPERATURE CHANGE OF TEMPERATURE (DAMP HEAT READY 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 | - |

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| REMARKS | | | | | | |
| Note 1 ; INCLUDE THE TEMPERATURE RISING BY CURRENT. | | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
| | | S.H.JUNG | S.H.JUNG | H.W.JO | T.S.KANG | ENG |
| | | 17.06.22 | 17.06.22 | 17.06.22 | 17.06.22 | 17.06.22 |
| Unless otherwise specified, refer to JIS C 5402 and IEC 60512 | | | | | DEPT | |

| | | | | |
|---|---------------------|---------------------------|--|--|
| Note QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST | | | | |
| HIROSE KOREA CO.,LTD. | SPECIFICATION SHEET | PART NO. | | |
| | | BM23FR0.8-18DP-0.35V(895) | | |

| | | | |
|---------------|-------------|--------------------|---|
| CODE NO.(OLD) | DRAWING NO. | CODE NO. | 1 |
| CL | SLC4-632354 | CL 6644-0090-7-895 | 1 |

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In case that the application demands a high level of reliability, such as automotive, please contact our representative for further information.