

Aug.1.2018 Copyright 2018 HIROSE ELECTRIC CO., LTD. All Rights Reserved.

| | | | | | | | | | |
|-------|--------------------------|----|------|------|-------|--------------------------|----|------|------|
| 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 | BM23PF0.8-42DS-0.35V(**) | | | |
| | CURRENT | SIGNAL CONTACT 0.3A(note2) 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/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: SIGNAL CONTACT : 90mΩ MAX POWER CONTACT : 30mΩ MAX ② INSULATION RESISTANCE: 50MΩ MIN ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
| High Temperature (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 | - |

| | | | | | |
|--|----------|----------|----------|----------|---|
| REMARKS | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
| Note 1 : INCLUDE THE TEMPERATURE RISING BY CURRENT. Note 2 : MAX 12A AT TOTAL PIN CONTACTS. | S.H.JUNG | S.H.JUNG | H.W.JO | T.S.KANG |  |
| Unless otherwise specified, refer to JIS C 5402 and IEC 60512 | 17.05.10 | 17.05.10 | 17.05.10 | 17.05.10 | |

| | | | | |
|---|----------------------------|---------------------------------------|-----|--|
| Note QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST | | | | |
| HIROSE KOREA CO.,LTD. | SPECIFICATION SHEET | PART NO. BM23PF0.8-42DP-0.35V(895) | | |
| CODE NO.(OLD) CL | DRAWING NO. SLC4-632162 | CODE NO. CL 6644-0080-3-895 | 1/1 | |