

Apr.1.2026 Copyright 2026 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
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 |
|-------|--------------------------|-----|------|----------|-------|--------------------------|-----|------|----------|
| ① 12 | RE-6-2247 | JHK | JHW | 21.04.20 | ③ 1 | RE-6-3975 | SJH | JHW | 25.01.20 |
| ② 2 | RE-6-2541 | JHK | JHW | 21.12.27 | | | | | |

APPLICABLE STANDARD

| | | | | |
|--------|-----------------------------|--|---------------------------|-------------------------|
| RATING | OPERATING TEMPERATURE RANGE | -55℃ TO +85℃(note1) | STORAGE TEMPERATURE RANGE | -10℃ TO +60℃ |
| | VOLTAGE | ③ ② 50 V AC/DC | APPLICABLE CONNECTOR | BK22C07-6DP/2-0.4V(***) |
| | CURRENT | SIGNAL CONTACT 0.3A POWER CONTACT 15.0A | | |

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 : 30mΩ MAX ① POWER CONTACT : 5mΩ MAX ① | X | - |
| INSULATION RESISTANCE | 100V DC | 50MΩ MIN | X | - |
| VOLTAGE PROOF | 150V AC FOR 1min. ② | NO FLASHOVER OR BREAKDOWN | X | - |

MECHANICAL CHARACTERISTICS

| | | | | |
|----------------------|---|--|---|---|
| MECHANICAL OPERATION | 10 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: SIGNAL CONTACT : 30mΩ MAX ① POWER CONTACT : 5mΩ MAX ① 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 : 30mΩ MAX ① POWER CONTACT : 5mΩ MAX ① 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 : 30mΩ MAX ① POWER CONTACT : 5mΩ MAX ① 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 : 30mΩ MAX ① POWER CONTACT : 5mΩ MAX ① ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |

| | | | | | |
|--|------------------|---------------------|---------------------|--------------------|-------------------------------------|
| REMARKS Note 1 : INCLUDE THE TEMPERATURE RISING BY CURRENT. | DRAWN D.K.YUN | DESIGNED D.K.YUN | CHECKED S.Sunaga | APPROVED H.W.JO | RELEASED ENG 25.01.20 DEPT |
| Unless otherwise specified, refer to JIS C 5402 and IEC 60512 | 20.12.29 | 20.12.29 | 20.12.29 | 20.12.29 | |

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

| | | |
|-----------------------|---------------------|-------------------------------------|
| HIROSE KOREA CO.,LTD. | SPECIFICATION SHEET | PART NO. BK22C07-6DS/2-0.4V(800) |
|-----------------------|---------------------|-------------------------------------|

| | | | |
|---------------|---------------------------------|----------------------------------|-----|
| CODE NO.(OLD) | DRAWING NO. ① ELC4-633345-80 | CODE NO. ① CL 6677-0004-6-800 | 1/1 |
|---------------|---------------------------------|----------------------------------|-----|