

|                                                                                  | COUNT                       | DESCRIPTION OF REVISIONS                                                                                     | BY                                                                                           | CHKD | DATE     | COUNT                                                                                                                                                                                                                                                                                                                                       | DESCRIPTION OF REVISIONS            | BY                      | CHKD     | DATE |
|----------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------|----------|------|
|   | 10                          | RE-6-2403                                                                                                    | LCE                                                                                          | JHW  | 21.09.13 |                                                                                                                                                                                                                                                                                                                                             |                                     |                         |          |      |
|  | 2                           | RE-6-2541                                                                                                    | LCE                                                                                          | JHW  | 21.12.27 |                                                                                                                                                                                                                                                                                                                                             |                                     |                         |          |      |
| APPLICABLE STANDARD                                                              |                             |                                                                                                              |                                                                                              |      |          |                                                                                                                                                                                                                                                                                                                                             |                                     |                         |          |      |
| RATING                                                                           | OPERATING TEMPERATURE RANGE |                                                                                                              | -55℃ TO +85℃(note1)                                                                          |      |          | STORAGE TEMPERATURE RANGE                                                                                                                                                                                                                                                                                                                   |                                     | -10℃ TO +60℃            |          |      |
|                                                                                  | VOLTAGE                     |                                                                                                              |  60 V AC/DC |      |          | APPLICABLE CONNECTOR                                                                                                                                                                                                                                                                                                                        |                                     | BK22C07-4DP/2-0.4V(***) |          |      |
|                                                                                  | CURRENT                     |                                                                                                              | SIGNAL CONTACT 0.3A<br>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 <br>POWER CONTACT : 5mΩ MAX                                                                                                                 |                                     |                         | X        | -    |
| INSULATION RESISTANCE                                                            |                             | 100V DC                                                                                                      |                                                                                              |      |          | 50MΩ MIN                                                                                                                                                                                                                                                                                                                                    |                                     |                         | X        | -    |
| VOLTAGE PROOF                                                                    |                             | 150V AC FOR 1min.           |                                                                                              |      |          | NO FLASHOVER OR BREAKDOWN                                                                                                                                                                                                                                                                                                                   |                                     |                         | X        | -    |
| MECHANICAL CHARACTERISTICS                                                       |                             |                                                                                                              |                                                                                              |      |          |                                                                                                                                                                                                                                                                                                                                             |                                     |                         |          |      |
| MECHANICAL OPERATION                                                             |                             | 10 TIMES INSERTIONS AND EXTRACTIONS.                                                                         |                                                                                              |      |          | ① CONTACT RESISTANCE:<br>SIGNAL CONTACT : 30mΩ MAX <br>POWER CONTACT : 5mΩ MAX <br>② NO DAMAGE, CRACK OR LOOSENESS OF PATRS.                                          |                                     |                         | X        | -    |
| VIBRATION                                                                        |                             | FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5min<br>SINGLE AMPLITUDE 0.75mm, 10CYCLES,<br>FOR 3 DIRECTIONS.          |                                                                                              |      |          | ① NO ELECTRICAL DISCONTINUITY OF 1μs.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.                                                                                                                                                                                                                                                          |                                     |                         | X        | -    |
| SHOCK                                                                            |                             | 490 m/s² DURATION OF PULSE 11ms AT 3 TIMES<br>FOR 3 DIRECTIONS.                                              |                                                                                              |      |          | ① NO ELECTRICAL DISCONTINUITY OF 1μs.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.                                                                                                                                                                                                                                                          |                                     |                         | X        | -    |
| ENVIRONMENTAL CHARACTERISTICS                                                    |                             |                                                                                                              |                                                                                              |      |          |                                                                                                                                                                                                                                                                                                                                             |                                     |                         |          |      |
| RAPID CHANGE OF TEMPERATURE                                                      |                             | TEMPERATURE -55 → +85℃<br>TIME 30 → 30 min<br>UNDER 5 CYCLES.<br>(RELOCATION TIME TO CHAMBER: WITHIN2~3 MIN) |                                                                                              |      |          | ① CONTACT RESISTANCE:<br>SIGNAL CONTACT : 30mΩ MAX <br>POWER CONTACT : 5mΩ MAX <br>② INSULATION RESISTANCE: 50MΩ MIN<br>③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. |                                     |                         | X        | -    |
| DAMP HEAT (STEADY STATE)                                                         |                             | EXPOSED AT 40±2℃, 90 TO 95%, 96h.                                                                            |                                                                                              |      |          | ① CONTACT RESISTANCE:<br>SIGNAL CONTACT : 30mΩ MAX <br>POWER CONTACT : 5mΩ MAX <br>② INSULATION RESISTANCE: 25MΩ MIN<br>③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. |                                     |                         | X        | -    |
| SULPHUR DIOXIDE                                                                  |                             | EXPOSED IN 25 PPM FOR 96h, 25℃, 75±5%RH.<br>(Test standard : JIS C 60068)                                    |                                                                                              |      |          | ① CONTACT RESISTANCE:<br>SIGNAL CONTACT : 30mΩ MAX <br>POWER CONTACT : 5mΩ MAX <br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.                                      |                                     |                         | X        | -    |
| REMARKS                                                                          |                             |                                                                                                              |                                                                                              |      |          |                                                                                                                                                                                                                                                                                                                                             |                                     |                         |          |      |
| Note 1 : INCLUDE THE TEMPERATURE RISING BY CURRENT.                              |                             |                                                                                                              |                                                                                              |      | DRAWN    | DESIGNED                                                                                                                                                                                                                                                                                                                                    | CHECKED                             | APPROVED                | RELEASED |      |
|                                                                                  |                             |                                                                                                              |                                                                                              |      | D.K.YUN  | D.K.YUN                                                                                                                                                                                                                                                                                                                                     | S.Sunaga                            | H.W.JO                  |          |      |
| 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.<br>BK22C07-4DS/2-0.4V(800) |                         |          |      |
| CODE NO.(OLD)                                                                    |                             |                                                                                                              | DRAWING NO.<br>ELC3-6333242-08                                                               |      |          | CODE NO.<br>CL 6677-0002-0-800                                                                                                                                                                                                                                                                                                              |                                     |                         | 1/1      |      |