

| APPLICABLE STANDARD                                                                                                                                                                                                                                                   |                                                                                  |                                       |                                                                                                                                     |                       |                |            |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------|------------|----|
| RATING                                                                                                                                                                                                                                                                | OPERATING TEMPERATURE RANGE                                                      | -25°C TO +85°C                        | STORAGE TEMPERATURE RANGE                                                                                                           | -25°C TO +60°C        |                |            |    |
|                                                                                                                                                                                                                                                                       | OPERATING&STORAGE HUMIDTY RANGE                                                  | 85%MAX                                | —                                                                                                                                   | —                     |                |            |    |
|                                                                                                                                                                                                                                                                       | VOLTAGE                                                                          | AC 125V                               | CURRENT                                                                                                                             | 0.5 A                 |                |            |    |
| SPECIFICATIONS                                                                                                                                                                                                                                                        |                                                                                  |                                       |                                                                                                                                     |                       |                |            |    |
| ITEM                                                                                                                                                                                                                                                                  |                                                                                  | TEST METHOD                           |                                                                                                                                     | REQUIREMENTS          |                | QT         | AT |
| CONSTRUCTION                                                                                                                                                                                                                                                          |                                                                                  |                                       |                                                                                                                                     |                       |                |            |    |
| GENERAL EXAMINATION                                                                                                                                                                                                                                                   |                                                                                  | VISUALLY AND BY MEASURING INSTRUMENT. |                                                                                                                                     | ACCORDING TO DRAWING. |                | X          | X  |
| MARKING                                                                                                                                                                                                                                                               |                                                                                  | CONFIRMED VISUALLY.                   |                                                                                                                                     |                       |                | X          | X  |
| ELECTRICAL CHARACTERISTICS                                                                                                                                                                                                                                            |                                                                                  |                                       |                                                                                                                                     |                       |                |            |    |
| CONTACT RESISTANCE                                                                                                                                                                                                                                                    | 100 mA (DC OR 1000 Hz).                                                          |                                       | 1) 2) USING IDC TYPE : 50mΩ MAX. (SIGNAL) 1) 3) USING SOLDER TYPE : 65mΩ MAX. (SIGNAL)                                              |                       | X              | —          |    |
| INSULATION RESISTANCE                                                                                                                                                                                                                                                 | 100 V DC.                                                                        |                                       | 1000 MΩ MIN.                                                                                                                        |                       | X              | —          |    |
| VOLTAGE PROOF                                                                                                                                                                                                                                                         | 250 V AC FOR 1 min.                                                              |                                       | NO FLASHOVER OR BREAKDOWN.                                                                                                          |                       | X              | X          |    |
| MECHANICAL CHARACTERISTICS                                                                                                                                                                                                                                            |                                                                                  |                                       |                                                                                                                                     |                       |                |            |    |
| INSERTION AND WITHDRAWAL FORCES                                                                                                                                                                                                                                       | MEASURED BY APPLICABLE CONNECTOR.                                                |                                       | INSERTION FORCE 36 N MAX. WITHDRAWAL FORCE 3.3 N MIN.                                                                               |                       | X              | —          |    |
| MECHANICAL OPERATION                                                                                                                                                                                                                                                  | 1000 TIMES INSERTIONS AND EXTRACTIONS.                                           |                                       | 1) CONTACT RESISTANCE 2) 3) USING IDC TYPE : 70mΩ MAX. 3) USING SOLDER TYPE : 85mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. |                       | X              | —          |    |
| VIBRATION                                                                                                                                                                                                                                                             | FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, 5 min/CYCLE, TOTAL 10 CYCLES.    |                                       | 1) NO ELECTRICAL DISCONTINUITY OF 10 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.                                                |                       | X              | —          |    |
| SHOCK                                                                                                                                                                                                                                                                 | 490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.      |                                       |                                                                                                                                     |                       | X              | —          |    |
| ENVIRONMENTAL CHARACTERISTICS                                                                                                                                                                                                                                         |                                                                                  |                                       |                                                                                                                                     |                       |                |            |    |
| THERMAL SHOCK                                                                                                                                                                                                                                                         | TEMP -55 →+5 TO +35 →+85 →+5 TO +35 °C TIME 30 → 5 → 30 → 5 min. UNDER 5 CYCLES. |                                       | 1) CONTACT RESISTANCE 2) 3) USING IDC TYPE : 70mΩ MAX. 3) USING SOLDER TYPE : 85mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. |                       | X              | —          |    |
| HUMIDITY LIFE                                                                                                                                                                                                                                                         | TEMPERATURE 40 °C, HUMIDITY 90 TO 95 %, FOR 96 h                                 |                                       | 1) INSULATION RESISTANCE: 100 MΩ MIN. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.                                                   |                       | X              | —          |    |
| CORROSION SALT MIST                                                                                                                                                                                                                                                   | EXPOSED AT 5 % SALT WATER, FOR 48 h.                                             |                                       | NO HEAVY CORROSION THAT LOSE FUNCTION.                                                                                              |                       | X              | —          |    |
| <div>1) EXCLUDES CONDUCTOR RESISTANCE OF CABLE.</div> <div>1) 2) EXAMINATION IS HELD WITH “DH-37-CV*B” , “DH3*B-37S” AND “DH60-37P”. (PLUG : IDC TYPE)</div> <div>1) 3) EXAMINATION IS HELD WITH “DH-37-CV*B” , “DH40-37S” AND “DH60-37P”. (PLUG : SOLDER TYPE)</div> |                                                                                  |                                       |                                                                                                                                     |                       |                |            |    |
|                                                                                                                                                                                                                                                                       | COUNT                                                                            | DESCRIPTION OF REVISIONS              | DESIGNED                                                                                                                            | CHECKED               | DATE           |            |    |
| △                                                                                                                                                                                                                                                                     | 5                                                                                | DIS-E-003449                          | TY. MIURA                                                                                                                           | AH. KODAMA            | 10. 10. 13     |            |    |
| REMARK                                                                                                                                                                                                                                                                |                                                                                  |                                       |                                                                                                                                     | APPROVED              | KN. ICHIKAWA   | 09. 11. 16 |    |
|                                                                                                                                                                                                                                                                       |                                                                                  |                                       |                                                                                                                                     | CHECKED               | KN. ICHIKAWA   | 09. 11. 16 |    |
|                                                                                                                                                                                                                                                                       |                                                                                  |                                       |                                                                                                                                     | DESIGNED              | MO. SHIMOYAMA  | 09. 11. 16 |    |
| Unless otherwise specified, refer to JIS C 5402.                                                                                                                                                                                                                      |                                                                                  |                                       |                                                                                                                                     | DRAWN                 | TM. ONO        | 09. 11. 13 |    |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test                                                                                                                                                                                                        |                                                                                  |                                       | DRAWING NO.                                                                                                                         |                       | ELC4-126584-00 |            |    |
| HRS                                                                                                                                                                                                                                                                   | SPECIFICATION SHEET                                                              |                                       | PART NO.                                                                                                                            | DH60-37P              |                |            |    |
|                                                                                                                                                                                                                                                                       | HIROSE ELECTRIC CO., LTD.                                                        |                                       | CODE NO.                                                                                                                            | CL244-0007-0-00       | △              | 1/1        |    |