



In case of consideration for using Autom otive equipm ent/device which dem and high reliability, kindly contactour sales w indow correspondents.

## SPECIFICATIONS

| ITEM                              | TEST METHOD  | REQUIREMENTS   | QT | AT |
|-----------------------------------|--|--|----|----|
| DRY HEAT                          | EXPOSED AT 85±2 °C, 96 h.  | ① CONTACT RESISTANCE: 100 mΩ MAX.<br>② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.              | X  | —  |
| COLD                              | EXPOSED AT -55±3°C, 96 h.  | ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.   | X  | —  |
| SURPHUR DIOXIDE<br>[JIS C 0090]   | EXPOSED AT 40±2 °C, RELATIVE HUMIDITY ±5%<br>25±5 ppm FOR 96 h.  | ① CONTACT RESISTANCE: 100 mΩ MAX.<br>② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.              | X  | —  |
| HYDROGEN SULPHIDE<br>[JIS C 0092] | EXPOSED AT 40±2 °C, RELATIVE HUMIDITY 80±5%,<br>10 TO 15 ppm FOR 96 h.   | ③ NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.                          | X  | —  |
| SOLDERABILITY                     | SOLDERED AT SOLDER TEMPERATURE, 235 ±5°C FOR IMMERSION DURATION, 2±0.5 sec.  | A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSERD. | X  | —  |
| RESISTANCE TO SOLDERING HEAT      | 1) REFLOW/ SOLDERING :<br>PEAK TMP. 250 °C MAX.<br>REFLOW TMP. OVER 230 °C WITHIN 60 sec.<br>2) SOLDERING IRONS :<br>TMP. 350 ± 10 °C FOR 5±1 sec. | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.<br>(note 2)                  | X  | —  |

(note 1)

THIS PRODUCT HAS FLIP-LOCK CONSTRUCTION. FASTEN FPC ON PCB OR SOMETHING FIXED IF FORCE IN VERTICAL DIRECTION SHALL BE PREDICTED.

(note 2)

BLISTERS WHICH MAY OCCUR IN HOUSING DO NOT AFFECT PRODUCT PERFORMANCE.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELG4-156643-06

|            |                           |          |                       |
|------------|---------------------------|----------|-----------------------|
| <b>HRS</b> | SPECIFICATION SHEET       | PART NO. | FH36-**-S-0.3SHW (50) |
|            | HIROSE ELECTRIC CO., LTD. | CODE NO  | △                     |