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 In case that the application demands a high level of reliability, such as automotive,
 please contact a company representative for further information.

| APPLICABLE STANDARD | | | | |
|---|---|--|---------------------------|--------------------------------|
| RATING | OPERATING TEMPERATURE RANGE | -55 °C TO 85 °C ⁽¹⁾ | STORAGE TEMPERATURE RANGE | -10 °C TO 60 °C ⁽²⁾ |
| | VOLTAGE | 200 V AC | OPERATING HUMIDITY RANGE | 40 % TO 80 % |
| | CURRENT | 1 A | STORAGE HUMIDITY RANGE | 40 % TO 70 % ⁽²⁾ |
| SPECIFICATIONS | | | | |
| ITEM | TEST METHOD | REQUIREMENTS | QT | AT |
| CONSTRUCTION | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING. | × | × |
| MARKING | CONFIRMED VISUALLY. | | × | × |
| ELECTRIC CHARACTERISTICS | | | | |
| CONTACT RESISTANCE | 100 mA (DC or 1000 Hz). | 15 mΩ MAX. | × | - |
| INSULATION RESISTANCE | 500 V DC. | 1000 MΩ MIN. | × | - |
| VOLTAGE PROOF | 650 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | × | - |
| MECHANICAL CHARACTERISTICS | | | | |
| MECHANICAL OPERATION | 500 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 15 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | × | - |
| VIBRATION | FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTION. | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | × | - |
| SHOCK | 490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | × | - |
| ENVIRONMENTAL CHARACTERISTICS | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h. | ① CONTACT RESISTANCE: 15 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. | × | - |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE-65 → +15 ~ +35 → +125 → +15 ~ +35 °C TIME 30 → 10 ~ 15 → 30 → 10 ~ 15 min UNDER 5 CYCLES. | ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | × | - |
| CORROSION SALT MIST | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | ① CONTACT RESISTANCE: 15 mΩ MAX. ② NO HEAVY CORROSION. | × | - |
| HYDROGEN SULPHIDE | EXPOSED IN 3 PPM FOR 120 h. | | × | - |
| RESISTANCE TO SOLDERING HEAT | 1) SOLDER BATH: SOLDER TEMPERATURE, 260 ± 5 °C FOR IMMERSION, DURATION, 10 ± 1 s. 2) SOLDERING IRONS : 360 °C FOR 5 s MAX. | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | × | - |
| SOLDERABILITY | SOLDERED AT SOLDER TEMPERATURE, 245 ± 3 °C, FOR IMMERSION DURATION, 2 s. | A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed. | × | - |
| | | | | |
| COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| △ | | | | |
| REMARK ⁽¹⁾ TEMPERATURE RISE INCLUDED WHEN ENERGIZED. ⁽²⁾ THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. | | APPROVED | HS. OKAWA | 06.05.10 |
| | | CHECKED | HS. OZAWA | 06.05.10 |
| | | DESIGNED | KY. NAKAMURA | 06.05.10 |
| | | DRAWN | AK. SUZUKAWA | 06.05.09 |
| Unless otherwise specified, refer to MIL-STD-202. | | | | |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | DRAWING NO. | ELC4-152863-21 | |
| HRS | SPECIFICATION SHEET | PART NO. | HIF3B#-**PA-2. 54DS (71) | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL610 | △ 1/1 |