






| 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 | RELATIVE HUMIDITY 85% MAX (NOT DEWED) | |
| | CURRENT | 1A | STORAGE HUMIDITY RANGE | | |
| | APPLICABLE CABLE (AWG SIZE) | AWG28 | APPLICABLE CABLE (OUTER DIAMETER) | φ 0.8 TO 1.0 mm | |
| 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 | |
| ELECTRIC CHARACTERISTICS | | | | | |
| CONTACT RESISTANCE | 100 mA (DC or 1000 Hz). | 15 mΩ MAX. | x | - | |
| INSULATION RESISTANCE | 500 V DC. | 1000 MΩ MIN. | x | - | |
| VOLTAGE PROOF | 650 V AC FOR 1 min. | NO BREAKDOWN. | x | - | |
| MECHANICAL CHARACTERISTICS | | | | | |
| CONTACT INSERTION AND EXTRACTION FORCES | □0.635±0.002 mm BY STEEL GAUGE. | INSERTION FORCE: 3.43 N MAX.  EXTRACTION FORCE: 0.39 N MIN. | x | - | |
| MECHANICAL OPERATION | 500 TIMES INSERTIONS AND EXTRACTIONS. | ①CONTACT RESISTANCE: 15 mΩ MAX. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | x | - | |
| VIBRATION | FREQUENCY 10 TO 55 Hz, TOTAL AMPLITUDE : 1.5 mm, -m/s ² AT 2 h FOR 3 DIRECTION. | ①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | x | - | |
| SHOCK | 490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | x | - | |
| ENVIRONMENTAL CHARACTERISTICS | | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h. | ①CONTACT RESISTANCE: 15 mΩ MAX. ②INSULATION RESISTANCE: 1000 MΩ MIN. | x | - | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -65→+15~+35→+125→+15~+35°C TIME 30 → 10~15 → 30 → 10~15 min. UNDER 5 CYCLES. | ③NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | x | - | |
| CORROSION SALT MIST | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | ①CONTACT RESISTANCE: 15 mΩ MAX. ②NO HEAVY CORROSION. | x | - | |
| | | | | | |
| COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE | |
|  2 | DIS-F-00012231 | KJ. NISHIWAKI | HT. YAMAGUCHI | 20220114 | |
| 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 | KJ. KATAYOSE | 20050105 |
|  Spec sheet format renewal. Unless otherwise specified, refer to MIL-STD-202. | | | CHECKED | HS. OKAWA | 20050105 |
| | | | DESIGNED | KT. DOI | 20050105 |
| | | | DRAWN | KT. DOI | 20050105 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | DRAWING NO. | ELC4-016193 | | |
|  | SPECIFICATION SHEET | PART NO. | HIF3A-26D-2. 54R | | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL0562-0060-0-00 |  | 1/1 |