


| APPLICABLE STANDARD | | | | | |
|--|--|--------------------------|--|-----------------|---|
| RATING | OPERATING TEMPERATURE RANGE | —°C TO —°C | STORAGE TEMPERATURE RANGE | —°C TO —°C | |
| | VOLTAGE | 125VAC | OPERATING HUMIDITY RANGE | — % TO — % | |
| | CURRENT | 1A | APPLICABLE CABLE | — | |
| 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 MAX (DC OR 1000 Hz). | | 40 mΩ MAX. | X | X |
| INSULATION RESISTANCE | 250 V DC. | | 1000 MΩ MIN. | X | X |
| VOLTAGE PROOF | 350 V AC FOR 1 min. CURRENT LEAKAGE 2mA MAX. | | NO FLASHOVER OR BREAKDOWN. | X | X |
| MECHANICAL CHARACTERISTICS | | | | | |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR. | | INSERTION FORCE 29.4 N MAX. EXTRACTION FORCE 29.4 N MAX. | X | — |
| MECHANICAL OPERATION | 20000 TIMES INSERTIONS AND EXTRACTIONS. | | 1) CONTACT RESISTANCE: 60 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | — |
| VIBRATION | FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, AT 2 TIMES FOR 3 DIRECTIONS. | | 1) NO ELECTRICAL DISCONTINUITY OF 10μs. 2) CONTACT RESISTANCE : 60 mΩ MAX | X | — |
| SHOCK | 490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS. | | 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | — |
| ENVIRONMENTAL CHARACTERISTICS | | | | | |
| DRY HEAT | EXPOSED AT 85°C , 500 h | | 1) CONTACT RESISTANCE : 60 mΩ MAX | X | — |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 60°C , 90~95%, 96h | | 2) INSULATION RESISTANCE: 1000 MΩ MIN. (AT DRY) | | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55 → 15 → 35 → +85 → 15 → 35 °C TIME 30 → 2-3 → 30 → 2-3 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 : 60mΩ MAX. | X | — |
| HYDROGEN SULPHIDE | EXPOSED IN 10 PPM , H ₂ S 3ppm 70 ~ 80% RH, FOR 96 h (TEST STANDARD : JEIDA-38) | | 2) NO HEAVY CORROSION. | | |
| | | | | | |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| | 0 | | | | |
| REMARK | | | APPROVED | HO. MIWA | 06. 07. 27 |
| | | | CHECKED | HO. MIWA | 06. 07. 27 |
| | | | DESIGNED | YH. ENAMI | 06. 07. 27 |
| Unless otherwise specified, refer to JIS C 5402. | | | DRAWN | YH. ENAMI | 06. 07. 27 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | | ELC4-120892-03 |
| HRS | SPECIFICATION SHEET | | PART NO. | 3560-16P-PG(50) | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL235-0016-0-50 |  1/1 |