| Applicable standard | | | | |
|---|---|---|---|---|
| Rating | Operating temperature range | -40 °C to +85 °C ( 95 %RH Max.) | Storage temperature range | -40 °C to +85 °C ( 95 %RH Max.) |
| | Power | - W | Characteristic impedance | 75 Ω ( 0 to 3 GHz) |
| | Peculiarity | - | 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. | | - | - |
| **ELECTRICAL CHARACTERISTICS** | | | | |
| Contact resistance | 100 mA Max. (DC or 1000 Hz) | Center contact 23 mΩ Max. | X | X |
| | | Outer contact 9 mΩ Max. | X | X |
| Insulation resistance | 250 V DC. | 1000 MΩ Min. | X | X |
| Withstanding voltage | 250 V AC for 60 sec current leakage 2 mA Max. | No breakdown. | X | X |
| Voltage standing wave ratio | Frequency 0 to 3 GHz. | VSWR 1.2 Max. | X | - |
| Insertion loss | Frequency - to - GHz. | - dB Max. | - | - |
| **MECHANICAL CHARACTERISTICS** | | | | |
| Contact insertion and extraction forces | φ 0.88 $^{0}_{-0.005}$ by steel gauge. (NC) | Insertion force - N Max. | - | - |
| | | Extraction force 0.2 N Min. | X | X |
| | φ 0.3 $^{0}_{-0.005}$ by steel gauge. (PL75) | Insertion force - N Max. | - | - |
| | | Extraction force 0.2 N Min. | X | X |
| Insertion and extraction forces | Measured by applicable connector. (PL75) | Insertion force - N Max. | - | - |
| | | Extraction force 4.9 N Min. | X | X |
| Mechanical operation | 500 times insertion and extractions. | 1)Contact resistance:<br>Center contact 34 mΩ Max.<br>Outer contact 20 mΩ Max.<br>2)No damage, crack and looseness of parts. | X | - |
| Vibration | Frequency 10 to 500 Hz single amplitude 0.75 mm, 98 m/s$^2$ at 10 cycles for 3 directions. | 1)No electrical discontinuity of 1 μs.<br>2)No damage, crack and looseness of parts. | X | - |
| Shock | 490 m/s$^2$ directions of pulse 11 ms at 3 times for 3 directions. | | X | - |
| Cable clamp strength (Against cable pull) | Using a pulling tester, pull the cable axially at a rate of - mm/min and record the strength at which the cable or connector breaks. | - N Min. | - | - |
| **ENVIRONMENTAL CHARACTERISTICS** | | | | |
| Damp heat | Exposed at +25 to +65 °C, 90 to 96 %<br>total 10 cycles. ( 240 h) | 1)Insulation resistance: 10 MΩ Min.<br>(at high humidity)<br>2) Insulation resistance: 1000 MΩ Min.<br>(at dry)<br>3)No damage, crack and looseness of parts. | X | - |
| Rapid change of temperature | Temperature -40 → - → +85 → - °C<br>Time 30 → 3 → 30 → 3 min<br>Under 5 cycles. | No damage, crack and looseness of parts. | X | - |
| Corrosion salt mist | Exposed in 5 % salt water spray for 48 h. | VSWR 1.2 Max. | X | - |
| | | | | |

| | Count | Description of revisions | Designed | Checked | Date |
|---|---|---|---|---|---|
| △ | 0 | | | | |

Remark

Unless otherwise specified, refer to IEC 60512.

| | | |
|---|---|---|
| Approved | NK.NINOMIYA | 20230713 |
| Checked | NK.NINOMIYA | 20230713 |
| Designed | NK.OOSAWA | 20230713 |
| Drawn | NK.OOSAWA | 20230713 |

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

| | | | | |
|---|---|---|---|---|
| | | Drawing No. | ELC-311035-01-00 | |
| HRS | SPECIFICATION SHEET | Part No. | NCJ-PL75P(01) | |
| | HIROSE ELECTRIC CO., LTD. | Code No. | CL0311-0412-6-01 | △0 1/1 |

FORM HD0011-2-1