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|---|-----------------------------|---|---------------------------|--|----------|
| Applicable standard | | | | | |
| Rating | Operating temperature range | -30 °C to +85 °C (95 %RH Max.) | Storage temperature range | -30 °C to +85 °C (95 %RH Max.) | |
| | Power | - W | Characteristic impedance | 50 Ω (0 to 4 GHz) | |
| | Peculiarity | Waterproof at flange (Equivalent to IP67) | Applicable cable | - | |
| SPECIFICATIONS | | | | | |
| ITEM | | TEST METHOD | | REQUIREMENTS | |
| | | | | QT | AT |
| CONSTRUCTION | | | | | |
| General examination | | Visually and by measuring instrument. | | According to drawing. | |
| Marking | | Confirmed visually. | | - | - |
| ELECTRICAL CHARACTERISTICS | | | | | |
| Contact resistance | | 100 mA Max.(DC or 1000 Hz) | | Center contact 6 mΩ Max. | X X |
| | | | | Outer contact 6 mΩ Max. | X X |
| Insulation resistance | | 500 V DC. | | 1000 MΩ Min. | |
| Withstanding voltage | | 1500 V AC for 1 min. current leakage 2 mA Max. | | No breakdown. | |
| Voltage standing wave ratio | | Frequency 0 to 4 GHz. | | VSWR 1.2 Max. | |
| Insertion loss | | Frequency - to - GHz. | | - dB Max. | |
| MECHANICAL CHARACTERISTICS | | | | | |
| Contact insertion and extraction forces | | φ 1.6 ⁰ _{-0.005} by steel gauge. | | Insertion force - N Max. | - - |
| | | | | Extraction force 1 N Min. | X X |
| Insertion and extraction forces | | Measured by applicable connector. | | Insertion force - N Max. | - - |
| | | | | Extraction force - N Min. | - - |
| Mechanical operation | | 5000 times insertion and extractions. | | 1)Contact resistance: Center contact 20 mΩ Max. Outer contact 20 mΩ Max. 2)No damage, crack and looseness of parts. | |
| 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. 2)No damage, crack and looseness of parts. | |
| 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 % total 10 cycles.(240 h) | | 1)Insulation resistance: 100 MΩ Min. (at high humidity) 2) Insulation resistance: 1000 MΩ Min. (at dry) 3)No damage, crack and looseness of parts. | |
| Rapid change of temperature | | Temperature -55 → - → +85 → - °C Time 30 → 3 → 30 → 3 min. 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 |
| △ | | | | | |
| Remark | | | Approved | NK.NINOMIYA | 20230619 |
| | | | Checked | NK.NINOMIYA | 20230619 |
| | | | Designed | NK.OOSAWA | 20230619 |
| Unless otherwise specified, refer to IEC 60512. | | | Drawn | NK.OOSAWA | 20230619 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | Drawing No. | ELC-367985-00-00 | |
|  SPECIFICATION SHEET HIROSE ELECTRIC CO., LTD. | | | Part No. | N-WPA-JJ | |
| | | | Code No. | CL0301-0005-0-00 | |
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