

| APPLICABLE STANDARD | | | | | | | |
|--|---|--|---|---|----------------------------------|------------|-----|
| RATING | OPERATING TEMPERATURE RANGE | -40°C TO +85°C | | STORAGE TEMPERATURE RANGE | -40°C TO +85°C (NO CONDENSATION) | | |
| | POWER | 4 W | | CHARACTERISTIC IMPEDANCE | 50 Ω | | |
| | FREQUENCY RANGE | DC TO 10 GHz | | OPERATING HUMIDITY RANGE | TO 90% | | |
| | PECULIARITY | — | | APPLICABLE CABLE | 1.5D-HQEW | | |
| 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 MAX (DC OR 1000 Hz). | CENTER CONTACT | | 100 mΩ MAX. | | × | — |
| | | OUTER CONTACT | | 100 mΩ MAX. | | | |
| INSULATION RESISTANCE | 100 V DC. | 1000 MΩ MIN. | | | | × | — |
| VOLTAGE PROOF | 100 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | | | | × | × |
| V.S.W.R. ※1 | FREQUENCY DC TO 3 GHz | 1.3 MAX | | | | × | — |
| | FREQUENCY 3 TO 6 GHz | 1.7 MAX | | | | | |
| | FREQUENCY 6 TO 10 GHz | 2.2 MAX | | | | | |
| INSERTION LOSS | FREQUENCY TO GHz | MAX. | | | | × | — |
| ISOLATION | FREQUENCY TO GHz | MIN. | | | | × | — |
| MECHANICAL CHARACTERISTICS | | | | | | | |
| MECHANICAL OPERATION | 12,000 TIMES INSERTIONS AND EXTRACTIONS. | | 1) CONTACT RESISTANCE CENTER CONTACT: 100mΩMAX. OUTER CONTACT: 100mΩMAX. | | × | | — |
| VIBRATION | FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm OR 98 m/s ² 1 octave/min, 10 CYCLES FOR EACH 3 DIRECTIONS. | | 1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) CONTACT RESISTANCE CENTER CONTACT: 100mΩMAX. OUTER CONTACT: 100mΩMAX. | | × | | — |
| | SHOCK | ACCELERATION : 490 m/s ² DURATION : 11 ms, HALF SINE WAVE 3 BOTH AXIAL DIRECTIONS, 3 TIMES EACH | | 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | × | |
| CABLE-CLAMP RESISTANCE SHOCK | THE APPLICABLE CABLE MUST BE CONNECTED AND BE SUITABLE FOR THE STD VALUE. | | 49 N MIN | | × | | — |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55 → 15 → -35 → +85 → 15 → -35 °C TIME 30 → 2-3 → 30 → 2-3 min. UNDER 100 CYCLES AND LEAVE IT FOR ONE HOUR OR TWO. | | 1) CONTACT RESISTANCE CENTER CONTACT: 100mΩMAX. OUTER CONTACT: 100mΩMAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | × | | — |
| DRY HEAT | EXPOSED AT +85°C, 96h. | | 1) CONTACT RESISTANCE CENTER CONTACT: 100mΩMAX. OUTER CONTACT: 100mΩMAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | × | | — |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE | | |
| | △ | DIS-J-000280 | YH. MATSUO | TY. OZAKI | 05. 11. 22 | | |
| REMARK | | | | APPROVED | K.J. KAWAMURA | 05. 08. 25 | |
| ※1. STD VALUE. | | | | CHECKED | TY. OZAKI | 05. 08. 25 | |
| RECEPTACLE + PLUG + CABLE + SMA CONNECTOR MS-162 MS-162-C(LP)-1 1.5D-HQEW(L=40mm) HRM-200-1.5WJBN | | | | DESIGNED | YH. MATSUO | 05. 08. 25 | |
| | | | | DRAWN | YH. MATSUO | 05. 08. 25 | |
| Unless otherwise specified, refer to IEC-60512. | | | | | | | |
| Note QT:Qualification Test AT:Assurance Test ×:Applicable Test | | | DRAWING NO. | | ELG4-180547-00 | | |
| HRS | SPECIFICATION SHEET | | PART NO. | MS-162-C(LP)-1 | | | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL358-0222-4-00 | | △ | 1/1 |