| APPLICA | BLE STAN | IDARD | | | | | | | | | |
|---|---|--|--|--------------|-------------|---|-----------------|---------------------|------------|--------|--|
| | Operating | | -10 °C TO +60 |) °C | Storag | e temperatu | re | -10 °C TO +6 | 0 °C | | |
| RATING | temperature range | | | | Range | | | | | | |
| | Voltage | | AC 30 V , DC 4 | 2 V | _ | | | | | | |
| | Current | | | | | applicable cable | | φ7. 5 | | | |
| | | | SPEC | IFICA | ATION: | S | | | | | |
| רו | EM | | TEST METHOD | | | F | REQU | IREMENTS | QT | AT | |
| | RUCTION | | | | | | | | | | |
| General exami | | Visually | and by measuring instrument. | | Ac | cording to dra | awino | | Х | Х | |
| Marking | | Confirmed visually. | | | 7101 | - Note and the containing. | | | | X | |
| ELECTRIC CHARA | | - | | | | | | | X | 1 | |
| Contact resistance | | Contact shall be measured AT DC 1 A | | | | 30 mΩ M | ΙΔΥ | | X | Τ_ | |
| Insulation resistance | | 250 V DC. | | | | 1000 mΩ MIN. | | | X | Х | |
| Voltage proof | | 300 V AC. for 1 min. | | | No | No flashover or breakdown. | | | X | X | |
| | NICAL CHA | | | | NO | Trasnover or | break | uown. | | | |
| | | | | | 1. | | | 6 0 .15 N MIN | \neg | Т | |
| Contact insertion and withdrawal forces | | φ 0.57 ⁰ _{-0.003} By steel gauge. | | | In | Insertion and withdrawal forces : 0.15 N MIN. | | | Х | _ | |
| Connector ins | ertion and | Measured by applicable connector. | | | In | Insertion and withdrawal forces | | | Х | _ | |
| withdrawal fo | | | | | | Locking device with lock : 70 N MAX. | | | | _ | |
| Mechanical op | eration | 1000 times insertions and extractions. | | | Col | Contact resistance: 45 mΩ MAX. | | | Х | _ | |
| Vibration | | Frequency: 10 TO 55 Hz, Single amplitude 0.75 mm, | | | | (No electrical discontinuity of 10 µs. | | | Х | _ | |
| Shock | | | | | | ②No damage, crack and looseness of parts. ①No electrical discontinuity of 10 μs. | | | | + | |
| SHOCK | | for 3 directions. | | | | ①No electrical discontinuity of 10 μs. ②No damage, crack and looseness of parts. | | | | l _ | |
| Lock strenght | ·h | While mated, the force applied in the axial direction | | | | 50 N MIN. | | | X | 1 | |
| LOCK STI CHISTI | .11 | of mating is measured. | | | | | | | | l _ | |
| FNVIRO | MENTAL | | ACTERISTICS | | l | | | | X | | |
| Damp heat | 111111111111111111111111111111111111111 | 1 | t 40 °C, 90 TO 95 %, 96 h. | | (I) | Insulation re | sistan | ce: 10 MΩ MIN. | 1 | I | |
| (steady state | e) | Exposed at 40 C, 30 TO 35 70, 30 H. | | | | (At high humidity). | | | Х | - | |
| ,, | • | | | | 2 | | | ce: 100 MΩ MIN. | | | |
| | | | | | | (At dry). | | | | | |
| | | | | | 31 | No damage.cra | ck and | looseness of parts. | | | |
| Rapid change | of temperature | - | Temperature $-55 \rightarrow R/T^{(1)} \rightarrow +85 \rightarrow R/T$ °C | | | ①Insulation resistance: 100 m Ω MIN. | | | | _ | |
| | | time 30 \rightarrow 10 TO 15 \rightarrow 30 \rightarrow 10 TO 15 min | | | | ②No damage.crack and looseness of parts. | | | | | |
| | | under 5 cycles. | | | | | | | | - | |
| Corrosion sal | t mist | Exposed in 5 % salt water spray for 48 h. | | | No | No heavy corrosion ruin the function. | | | | _ | |
| Dry heat | | Exposed AT + 85 °C , 96 h. | | | No | No damage, crack and looseness of parts. | | | | _ | |
| Cold | | Exposed AT - 55 °C , 96 h. | | | No | No damage, crack and looseness of parts. | | | | _ | |
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| | | | | | | | | | | | |
| COUN | IT DI | SCRIPTI | SCRIPTION OF REVISIONS DE | | DESIGNE | GNED | | CHECKED | | DATE | |
| 0 | | | | | | | | | | | |
| REMARK | | | | | | APPRO | VED | EJ. KUNI I | 16.0 |)5. 17 | |
| | oom temperature | dicates at the state applicable contact assembled. | | | | CHECKED DESIGNED DRAWN | | EJ. KUNI I | | | |
| The std. | Value above i | | | | ed. | | | | 16. 05. 1 | | |
| Unless of | nerwise spe | | | |). | | | MM. ISHII | 16. 05. 17 | | |
| | | st AT:Assurance Test X:Applicable Test | | | DRAWING NO. | | | ELC-021588-71-00 | | | |
| 2 | | | | | | | | 13A-12PG-20SC (71) | | | |
| HRS | | HIROSE ELECTRIC CO., LTD. | | | | | | | . 1 | 1/1 | |
| HIR | | OSE ELECTRIC CO., LTD. | | | CODE N | 10. G | CL113-0210-8-71 | | | 1/1 | |