

APPLICABLE STANDARD			
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 105 °C ⁽¹⁾	STORAGE TEMPERATURE RANGE
	VOLTAGE	250 V AC/DC	STORAGE HUMIDITY RANGE
CURRENT		10A	OPERATING HUMIDITY RANGE
SPECIFICATIONS			
ITEM		TEST METHOD	REQUIREMENTS
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.
MARKING		CONFIRMED VISUALLY.	
ELECTRIC CHARACTERISTICS			
CONTACT RESISTANCE	10 mA(DC OR 1000Hz)	2 mΩ MAX.	X
INSULATION RESISTANCE	250 V DC.	1000 MΩ MIN.	X
VOLTAGE PROOF	750 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X
MECHANICAL CHARACTERISTICS			
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 20 N MAX. WITHDRAWAL FORCE: 0.8 N MIN.	X
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 5 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X
VIBRATION	FREQUENCY 10 TO 55 TO 10Hz, APPROX 5min SINGLE AMPLITUDE : 0.75 mm, 10 CYCLES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X

ENVIRONMENTAL CHARACTERISTICS			
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 ±4h.	① CONTACT RESISTANCE: 5mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X — —
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → +105 °C TIME 30 → 30 min. UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER:WITHIN 2~3 MIN)		X
DRY HEAT	EXPOSED AT 105±2°C FOR 96±4 h.	① CONTACT RESISTANCE: 5mΩ MAX.	X
COLD	EXPOSED AT -55±2°C FOR 96±4 h.	② NO DEFECT SUCH AS CORROSION WHICH IMPAIRS THE FUNCTION OF CONNECTOR.	X
SULFUR DIOXIDE	EXPOSED AT 25±2°C, 75±5%RH, 25 PPM FOR 96±4 h.		X
RESISTANCE TO SOLDERING HEAT	SOLDER BATH : SOLDER TEMPERATURE, 260±5°C. FOR IMMERSION, DURATION, 10±1s. SOLDERING IRONS : 360°C MAX. FOR 5 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.	X
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE 240±3°C. FOR IMMERSION DURATION, 3 sec.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSERD.	X

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
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REMARKS ⁽¹⁾ INCLUDE TEMPERATURE RISE CAUSED BY CURRENT-CARRYING.
⁽²⁾ "STORAGE" MEANS A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE ASSEMBLY TO PCB.

Unless otherwise specified, refer to JIS-C-5402, IEC60512.

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

HRS	SPECIFICATION SHEET	PART NO.	DRAWING NO.	CHECKED	DATE
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL570-2102-3-00	ELC4-341814-00	1/1