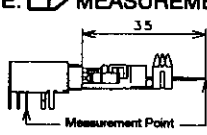


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COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
△					△					
△					△					
APPLICABLE STANDARD										
RATING	OPERATING TEMPERATURE RANGE	- 25 °C TO 60 °C			STORAGE TEMPERATURE RANGE	°C TO °C				
	VOLTAGE	125 V AC , 175 V DC			OPERATING HUMIDITY RANGE	% TO %				
	CURRENT	0.5 A			APPLICABLE CABLE					
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		1 mA (DC OR 1000 Hz). 1			35 mΩ MAX.				○	○
INSULATION RESISTANCE		100 V DC.			250 MΩ MIN.				○	○
VOLTAGE PROOF		300 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.				○	○
MECHANICAL CHARACTERISTICS										
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			4.1 N MIN. 15.9 N MAX.				○	—
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS. 1			① CONTACT RESISTANCE: 35 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				○	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s ² AT 2h, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				○	—
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.							○	—
LOCK RETENTION FORCE		APPLY 68.6 N PULL FORCE TO THE MATING DIRECTION.			① REMAIN ENGAGED WHILE THE FORCE IS APPLIED. ② NO DEFECT AT MATING AREA AFTER THE TEST.				○	—
ENVIRONMENTAL CHARACTERISTICS										
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → -5~35 → 85 → -5~35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.			NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				○	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90~95 %, 96 h.			① INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY.) 100 MΩ MIN. (AT DRY.) ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				○	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION.				○	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 260 ± 5 °C FOR IMMERSION, DURATION 10 ± 1 S.			NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.				○	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245 ± 2 °C FOR IMMERSION, DURATION 3 ± 1 S.			MIN. 95 % OF SOLDER IMMersed AREA SHALL BE COVERED NEW SOLDER COATING.				○	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
NOTE. 1 MEASUREMENT POINT OF CONTACT RESISTANCE					<i>T. Hamaya</i>	<i>T. Hamaya</i>	<i>T. Watanabe</i>	<i>H. Miura</i>		
 <p>(WITHOUT BULK RESISTANCE)</p>					03.12.10	03.12.10	03.12.11	03.12.12		
Unless otherwise specified, refer to JIS C 5402.										
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test										
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET					
					PART NO. 3130-14P-C(50)					
CODE NO.(OLD)			DRAWING NO.			CODE NO.			1	
CL			ELC4-042469-01			CL231-0022-8-50			1	

TO
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