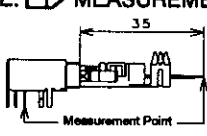


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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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	STRANDED WIRE AWG 28 CONDUCTOR DIAMETER φ 0.88 ~ 1.0 JACKET DIAMETER φ 5 ~ 7			
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									
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									
NOTE. ① MEASUREMENT POINT OF CONTACT RESISTANCE					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
 <p>(WITHOUT BULK RESISTANCE)</p>					<i>T. Hamaya</i>	<i>T. Hamaya</i>	<i>T. Watanabe</i>	<i>H. Miura</i>	
Unless otherwise specified, refer to JIS C 5402.					03.12.10	03.12.10	03.12.11	03.12.12	
Note QT:Qualification Test AT:Assurance Test O:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. 3130-8P-C(50)		
CODE NO.(OLD) CL		DRAWING NO. ELC4-045470-01			CODE NO. CL231-3002-7-50			1/1	