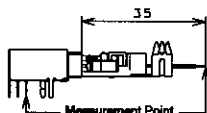


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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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 ~ 26 CONDUCTOR DIAMETER φ 0.88 ~ 0.98 JACKET DIAMETER φ 4 ~ 5.2				
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.			1.8 N MIN. 9.6 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.			① REMAIN ENGAGED WHILE THE FORCE IS APPLIED. ② NO DEFECT AT MATING AREA AFTER THE TEST.				○	-
LOCK RETENTION FORCE		APPLY 68.8 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>B. Kameya</i>	<i>B. Kameya</i>	<i>T. Watanabe</i>	<i>H. Murai</i>		
 <p style="text-align: center;">(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 O:Applicable Test										
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET					
CODE NO.(OLD)					PART NO.					
CL					3130-6P-C(50)					
DRAWING NO.					CODE NO.					
ELC4-045477-01					CL231-3014-6-50					
					1/1					

TO
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