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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 +85 °C			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C				
	VOLTAGE	AC 30 V , DC 42 V			APPLICABLE CABLE	φ4±0.2				
	CURRENT	5 A (USED : WIRE 18 AWG.)								
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		CONTACT SHALL BE MEASURED AT DC 1 A			30 mΩ MAX.				×	×
		CONTACT SHALL BE MEASURED AT DC - A			- mΩ MAX.				—	—
INSULATION RESISTANCE		100 V DC.			1000 MΩ MIN.				×	×
VOLTAGE PROOF		150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.				×	×
MECHANICAL CHARACTERISTICS										
CONTACT INSERTION AND WITHDRAWAL FORCES		φ0.67 ⁰ _{-0.003} BY STEEL GAUGE			INSERTION FORCES AND WITHDRAWAL FORCES : 0.15 N MIN				×	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR. LOCKING DEVICE WITH LOCK.			INSERTION FORCES : 30N MAX WITHDRAWAL FORCES : 9 N MIN				×	—
MECHANICAL OPERATION		5000 TIMES INSERTIONS AND EXTRACTIONS.			CONTACT RESISTANCE: 60 mΩ MAX				×	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s ² AT 2 h, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				×	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTION			① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				×	—
CONTACT RETENTION FORCE		APPLYING A PULL FORCE THE WIRE AFTER THE APPLICABLE CRIMPED CONTACT IS ASSEMBLED WITH THE BODY.			20 N MIN				×	—
ENVIRONMENTAL CHARACTERISTICS										
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90 TO 95 %, 96 h.			① INSULATION RESISTANCE: 10 MΩ MIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE: 100 MΩ MIN (AT DRY). ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				×	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → R/T → +85 → R/T °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES. (R/T: ROOM TEMPERATURE)			① INSULATION RESISTANCE: 100 MΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				×	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION.				×	—
DRY HEAT		EXPOSED AT + 85 °C , 96 h.			NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				×	—
COLD		EXPOSED AT - 55 °C , 96 h.			NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				×	—
REMARKS										
ABOVE SPECIFICATIONS SHOWS THE VALVE IN ASSEMBLED CONDITION WITH APPLICABLE CRAMP CONTACT.					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
Unless otherwise specified, refer to JIS C 5042.					M. Ishimaru	F. Yumino	H. Zemba	H. Sato		
					05.09.20	05.09.20	05.09.20	05.09.20		
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test										
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO.			
							RP34L-5LP-3SC(71)			
CODE NO. (OLD)		DRAWING NO.			CODE NO.					
CL		ELC4-111810-71			CL113-5161-1-71					

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