

Oct.1.2021 Copyright 2021 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
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
△					△				
△					△				
<b>APPLICABLE STANDARD</b>									
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	(φ3.5)			
	CURRENT	5 A							
<b>SPECIFICATIONS</b>									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
<b>CONSTRUCTION</b>									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×	×
MARKING		CONFIRMED VISUALLY.						×	×
<b>ELECTRIC CHARACTERISTICS</b>									
CONTACT RESISTANCE		CONTACT SHALL BE MEASURED AT DC 1 A			74 mΩ MAX.			×	×
INSULATION RESISTANCE		100 V DC.			1000 MΩ MIN.			×	×
VOLTAGE PROOF		150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			×	×
<b>MECHANICAL CHARACTERISTICS</b>									
CONNECTOR INSERTION AND WITHDRAWAL FORCES		φ0.67 <sup>0</sup> <sub>-0.003</sub> BY STEEL GAUGE			INSERTION FORCES AND WITHDRAWAL FORCES : 0.15 N MIN			×	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR. LOCKING DEVICE WITH LOOK.			INSERTION FORCES : 30N MAX WITHDRAWAL FORCES : 9N MIN			×	—
MECHANICAL OPERATION		5000 TIMES INSERTIONS AND EXTRACTIONS.			CONTACT RESISTANCE : 104 mΩ MAX INSERTION FORCES : 30N MAX WITHDRAWAL FORCES : 9N MIN			×	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75mm, — m/s <sup>2</sup> 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 <sup>2</sup> 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.			×	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
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.			×	—
CABLE FLEXING		1000 FLEXINGS TO AND FRO.			NO BREAKAGE.			×	—
<b>REMARKS</b>					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
					E. Yumino	G. Yamada	T. Ohyama	M. Sato	
					06.01.23	'06.01.23	'06.01.23	06.01.23	
Unless otherwise specified, refer to JIS C 5042.					Note QT:Qualification Test AT:Assurance Test X:Applicable Test				
<b>HRS</b> HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET			PART NO. RP34L-5PA-2SC (1857) (71)				
CODE NO. (OLD)	DRAWING NO.			CODE NO.				1	1
CL	ELC4-111441-71			CL 113-5153-3-71					

TO
AMC