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COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-10 °C TO +60 °C			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C			
	VOLTAGE	AC 30 V , DC 42 V			APPLICABLE CABLE	φ 4±0.2			
	CURRENT	3 A							
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			x	x
MARKING		CONFIRMED VISUALLY.						x	x
ELECTRIC CHARACTERISTICS									
CONTACT RESISTANCE		CONTACT SHALL BE MEASURED AT DC 1 A			30 mΩ MAX.			x	—
INSULATION RESISTANCE		100 V DC.			1000 MΩ MIN.			x	—
VOLTAGE PROOF		150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			x	—
MECHANICAL CHARACTERISTICS									
CONTACT INSERTION AND WITHDRAWAL FORCES		φ0.57 ⁰ _{-0.003} BY STEEL GAUGE.			INSERTION AND WITHDRAWAL FORCES : 0.15 N MIN.			x	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR. LOCKING DEVICE WITH LOOK.			INSERTION AND WITHDRAWAL FORCES : 5 TO 50 N.			x	—
MECHANICAL OPERATION		5000 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 60 mΩ MAX.			x	—
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.			x	—
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.			x	—
CONTACT RETENTION FORCE		APPLYING A PULL FORCE THE WIRE AFTER THE APPLICABLE CRIMPED CONTACT IS ASSEMBLED WITH THE BODY.			20 N MIN			x	—
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). NO DAMAGE,CRACK AND LOOSENESS OF PARTS			x	—
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 MIN. ② NO DAMAGE,CRACK AND LOOSENESS OF PARTS.			x	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION.			x	—
DRY HEAT		EXPOSED AT + 85 °C , 96 h.			NO DAMAGE,CRACK AND LOOSENESS OF PARTS.			x	—
COLD		EXPOSED AT - 55 °C , 96 h.			NO DAMAGE,CRACK AND LOOSENESS OF PARTS.			x	—
REMARKS									
NOTE(1) ABOVE PERFORMANCE INDICATES AT THE STATE APPLICABLE CRIMP CONTACTS ARE INSTALLED.					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
					M. Ichikawa	Y. Kuroki	H. Zemba	M. Sato	
					05.09.24	05.09.26	05.09.26	05.09.26	
Unless otherwise specified, refer to JIS C 5042.									
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET		PART NO		
							RP34-8SP-3SC(71)		
CODE NO.(OLD)		DRAWING NO.			CODE NO.			1 1	
CL		ELC4-045015-71			CL113-5049-1-71				