

△	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		3 A								
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		0 φ0.57 -0.003 BY STEEL GAUGE.				INSERTION AND WITHDRAWAL FORCES : 0.15 N MIN.				×	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR. LOCKING DEVICE WITH LOCK.				INSERTION AND WITHDRAWAL FORCES : 5 TO 50 N .				×	—
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.				①CONTACT RESISTANCE: 60 mΩ MAX.				×	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.				①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				×	—
SHOCK		490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTION				①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				×	—
ENVIRONMENTAL CHARACTERISTICS											
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90 TO 95 %, 96 h.				①INSULATION RESISTANCE: 10 MΩ MIN (AT HIGH HUMIDITY). ②INSULATION RESISTANCE:100 MΩ MIN (AT DRY). ③NO 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 CORROSIN.				×	—
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.				×	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, —, FOR IMMERSION, DURATION, — TO —s.				NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS WHICH SPOILS A FUNCTION.				—	—
SOLDERABILITY		SOLDER TEMPERATURE, —, FOR IMMERSION, DURATION, — TO —s.				SOLDER SURFACE TO BE FREE PIN-HOLE, NON- WETTING, AND OTHER DEFECTS.				—	—
REMARKS						DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
THE STANDARD VALUE AS SHOWN IN ABOVE SHALL INDICATE THE CONDITION WHEN THE APPLICABLE CONTACT SHALL BE ASSEMBLED.						S. Komatsu	D. Matsuno	E. Kuroki	M. Sato		
Unless otherwise specified, refer to JIS C 5042.						05.12.19	05.12.19	05.12.19	05.12.20		
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test											
HRS HIROSE ELECTRIC CO., LTD.						SPECIFICATION SHEET			PART NO. RP34-8SP-4SC(71)		
CODE NO. (OLD) CL			DRAWING NO. ELC4-110262-71			CODE NO. CL 113-5097-4-71			1 1		