







APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-10 °C TO +60 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C		
	VOLTAGE	AC 100 V , DC 140 V				
	CURRENT	A	APPLICABLE CABLE	φ5.8±0.2		
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 (INCLUDES CABLE BULK RESISTANCE)		15 mΩ MAX. 	X -	
INSULATION RESISTANCE		250 V DC.		1000 MΩ MIN.	X X	
VOLTAGE PROOF		300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X X	
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND WITHDRAWAL FORCES		— BY STEEL GAUGE		INSERTION AND WITHDRAWAL FORCES : - N MIN	- -	
CONNECTOR INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION AND WITHDRAWAL FORCES LOCKING DEVICE WITH UNLOOK : - N MAX LOCKING DEVICE WITH LOOK : 50 N MAX	X -	
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.		CONTACT RESISTANCE: 20 mΩ MAX.	X -	
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s ² AT 2 h, FOR 3 DIRECTIONS.		①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X -	
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO 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.		①INSULATION RESISTANCE: 10 MΩMIN (AT HIGH HUMIDITY). ②INSULATION RESISTANCE: 100 MΩMIN (AT DRY). ③NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X -	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→ R/T ⁽¹⁾ → +85 → R/T °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES.		①INSULATION RESISTANCE: 100 MΩ MIN. ②NO 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 -	
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
	3	DIS-C-001413		TY. SUZUKI	HY. KISHI	09.09.16
REMARK				APPROVED	MO. SATOH	05.11.16
Note(1) R/T : ROOM TEMPERATURE				CHECKED	HT. ZENBA	05.11.16
(2) ABOVE PERFORMANCE INDICATES AT THE STATE APPLICABLE CRIMP CONTACTS ARE INSTALLED.				DESIGNED	EM. YUMINO	05.11.10
Unless otherwise specified, refer to JIS C 5402.				DRAWN	EM. YUMINO	05.11.10
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-009601-71
	SPECIFICATION SHEET			PART NO.	RP13A-12J-13PC (71)	
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL113-0166-8-71	 1/1