

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO +85 °C		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C		
	VOLTAGE	AC 100 V , DC 140 V					
	CURRENT	— A		APPLICABLE CABLE			
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		10 mΩ MAX.		X	—
		GROUND SHALL BE MEASURED AT DC 1 A		30 mΩ MAX.		X	X
INSULATION RESISTANCE		100 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		φ0.53±0.003 BY STEEL GAUGE.		INSERTION AND WITHDRAWAL FORCES : 0.15 N MIN.		X	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION AND WITHDRAWAL FORCES LOCKING DEVICE WITH UNLOCK : — N MAX. LOCKING DEVICE WITH LOCK : 70 N MAX.		X	—
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.		CONTACT RESISTANCE: 15 mΩ MAX.		X	—
				GROUND RESISTANCE: 100 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 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		X	—
CONTACT RETENTION FORCE		APPLYING A PULL THE WIRE AFTER THE APPLICABLE CRIMPED CONTACT IS ASSEMBLE THE BODY.		20 N MIN.		X	—
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90 TO 95 %, 96 h.		① INSULATION RESISTANCE: 5 MΩ MIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE: 50 MΩ MIN (AT DRY). ③ NO 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.		① INSULATION RESISTANCE: 1000 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 CORROSIN RUIN THE FUNCTION.		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
④							
REMARK (1) ABOVE SPECIFICATIONS SHOWS THE VALUES IN ASSEMBLED CONDITION WITH APPLICABLE CRIMP CONTACTS. NOTE (1) R/T : ROOM TEMPERATURE Unless otherwise specified, refer to JIS C 5402.				APPROVED	MO. SATOH	07. 04. 11	
				CHECKED	EJ. KUNII	07. 04. 11	
				DESIGNED	TO. HORII	07. 04. 11	
				DRAWN	MK. SATO	07. 04. 11	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-042730-71	
	SPECIFICATION SHEET			PART NO.	HR10G-10R-10SC (71)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL110-1707-2-71		1/1