

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-55°C TO +85°C	STORAGE TEMPERATURE RANGE	-55°C TO +85°C	
	VOLTAGE	250VAC	OPERATING HUMIDITY RANGE	— % TO — %	
	CURRENT	1A	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		10 mA MAX (DC OR 1000 Hz).	80 mΩ MAX.	X	X
INSULATION RESISTANCE		250 V DC.	1000 MΩ MIN.	X	X
VOLTAGE PROOF		500 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 45 N MAX. EXTRACTION FARCE 15 N MAX.	X	—
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 80 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION		FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, AT 3TIMES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 20μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS	X	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.	3)NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT,CYCLIC (STEADY STATE)		EXPOSED AT +85 85 % 1000h	1) INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY)	X	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 →5→35→ +85 → 5→35 °C TIME 30 → 2- 3→ 30 → 2-3 min. UNDER 10 CYCLES.	2) INSULATION RESISTANCE: 1000 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	1)CONTACT RESISTANCE :80mΩ MAX.	X	—
HYDORGEN SULPHIDE		EXPOSED IN 10 PPM FOR 96 h (TEST STANDARD : JEIDA-38)	2)NO HEAVY CORROSION.		
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
Q					
REMARK			APPROVED	HO. MIWA	05. 09. 06
			CHECKED	HO. MIWA	05. 09. 06
			DESIGNED	YH. ENAMI	05. 09. 06
			DRAWN	YH. ENAMI	05. 09. 06
Unless otherwise specified, refer to JIS C 5402.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-120646-01
HRS	SPECIFICATION SHEET		PART NO.	F140B-2015S (50)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL230-0524-0-50	 1/1