

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
Unless otherwise specified, refer to JIS C 5402.			DRAWN	YH. ENAMI	05. 09. 06
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