

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE		STORAGE TEMPERATURE RANGE		
		-55°C TO +85°C		-55°C TO +85°C		
RATING	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.		
MARKING		CONFIRMED VISUALLY.				
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 FORCE 15 N MAX.		X —
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: 80 mΩ MAX. 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 ms 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) 2) INSULATION RESISTANCE: 1000 MΩ MIN (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X —
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → -5 → -35 → +85 → 5 → 35 °C TIME 30 → 2-3 → 30 → 2-3 min. UNDER 10 CYCLES.				
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		1)CONTACT RESISTANCE :80mΩ MAX. 2)NO HEAVY CORROSION.		X —
HYDROGEN SULPHIDE		EXPOSED IN 10 PPW FOR 96 h (TEST STANDARD : JEIDA-38)				
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
0						
REMARK						
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