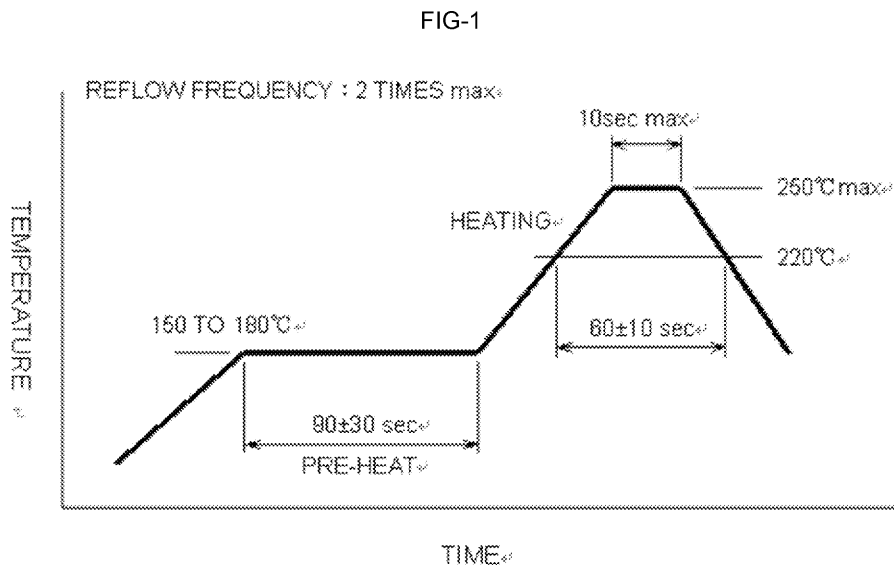




APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-40°C TO 85°C		STORAGE TEMPERATURE RANGE	-40°C TO 60°C	
	VOLTAGE	125 V AC		OPERATING HUMIDITY RANGE	5 %RH TO 95 %RH	
	CURRENT	No.2 TO No.17 : 0.5 A No.1 AND No. 18 : 1.5 A				
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION						
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X
MARKING		CONFIRMED VISUALLY.			X	X
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).		70 mΩ MAX.	X	—
INSULATION RESISTANCE		250 V DC.		1000 MΩ MIN.	X	—
VOLTAGE PROOF		350 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS						
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		25 N MAX.	X	—
MECHANICAL OPERATION		20,000 TIMES INSERTIONS AND EXTRACTIONS.		1) AMOUNT OF CHANGE OF CONTACT RESISTANCE : 20mΩ MAX 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION		FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 10μs. 2) AMOUNT OF CHANGE OF CONTACT RESISTANCE : 20mΩ MAX	X	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)		EXPOSED AT 60°C , 90~95%, 96h		1) AMOUNT OF CHANGE OF CONTACT RESISTANCE : 20mΩ MAX	X	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 5-35 → +85 → 5-35 °C TIME 30 → 2~3 → 30 → 2~3 min. UNDER 5 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.		NO HEAVY CORROSION.	X	—
MIXED GAS CORROSION		EXPOSED IN SO ₂ 10 ppm , H ₂ S 3ppm 70 TO 80% R H. FOR 96 h				
RESISTANCE TO SOLDERING HEAT (REFLOW)		REFROUW TWICE UNDER THERECOMMENDED REFLOW TEMPERATURE PROFILE IN FIG-1		NO SIGNIFICANT DEFOMATION OR LOSSENESS OF CONTACTS.	X	—
RESISTANCE TO SOLDERING, SOLDER IRON METHOD		TEMPERATURE OF SOLDERING IRON : 390°C MAX, 3 sec MAX		NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
RECOMMENDED REFLOW PROFILE IN FIG-1						
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△						
REMARK				APPROVED	NF. MIYAZAKI	10. 03. 25
				CHECKED	TA. ASO	10. 03. 25
				DESIGNED	KO. KAWAMURA	10. 03. 25
				DRAWN	KO. KAWAMURA	10. 03. 25
Unless otherwise specified, refer to JIS C 5402.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-127060-00	
HRS	SPECIFICATION SHEET		PART NO.	3880-B-18P		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL238-2008-2-00	△	1/2

ATTACHMENT FIGURE



Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-127060-00	
	SPECIFICATION SHEET		PART NO.	3880-B-18P	
	HIROSE ELECTRIC CO., LTD.		CODE NO	CL238-2008-2-00	 2/2