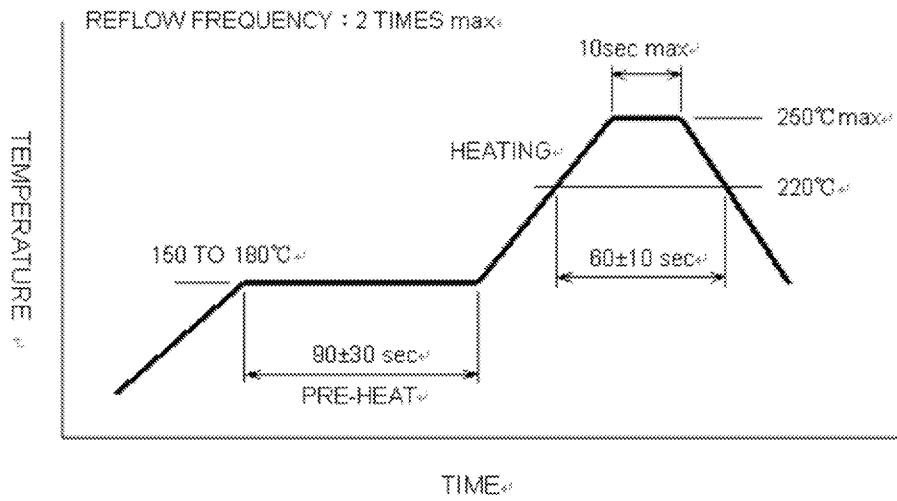


APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40°C TO 85°C	STORAGE TEMPERATURE RANGE	-40°C TO 60°C	
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	5 %RH TO 95 %RH	
	CURRENT	No.2 TO No.17 : 0.5 A No.1 AND No. 18 : 1.5 A			
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	
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.	X —
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			X —
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
Unless otherwise specified, refer to JIS C 5402.			DRAWN	KO. KAWAMURA	10.03.25
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

FIG-1



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.

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CL238-2008-2-00



2/2