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 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	–
SHOCK	490 m/s^2 DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	–
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 60℃ , 90～95%, 96h	1) AMOUNT OF CHANGE OF CONTACT RESISTANCE : 20mΩ MAX 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 5 CYCLES.			
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_2S 3ppm 70 TO 80%RH, FOR 96 h			
RESISTANCE TO SOLDERING HEAT (REFROW)	REFROUW TWICE UNDER THERECOMMENDED REFROW TEMPERATURE PROFILE IN FIG-1	NO SIGNIFICANT DEFOMATION OR LOSSENESS OF CONTACTS.	X	–
RESISTANCE TO SOLDERING, SOLDER IRON METHOD	TEMPERATURE OF SOLDERING IRON : 390℃MAX, 3 secMAX	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	–

RECOMMENDED REFLOW PROFILE IN FIG-1

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠0					

REMARK

Unless otherwise specified, refer to JIS C 5402.

APPROVED	NF. MIYAZAKI	10. 03. 25
CHECKED	TA. ASO	10. 03. 25
DESIGNED	KO. KAWAMURA	10. 03. 25
DRAWN	KO. KAWAMURA	10. 03. 25

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

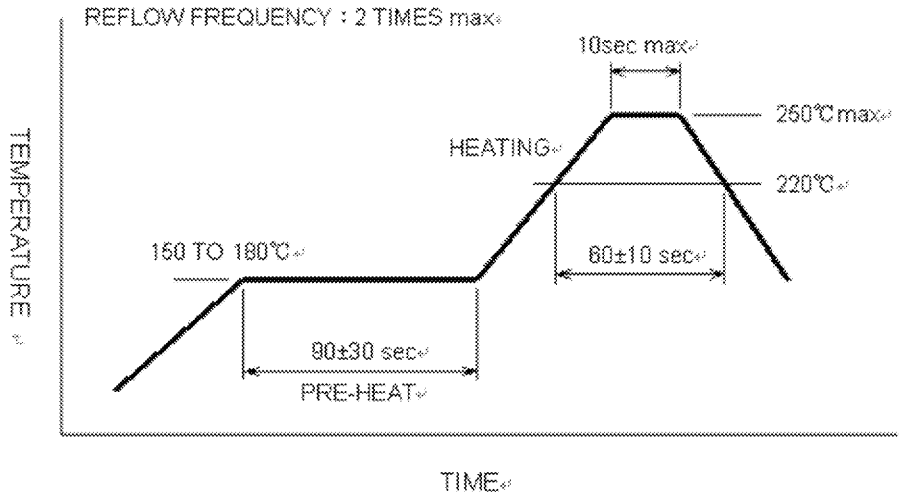
DRAWING NO. ELC4-127058-00

HRS	SPECIFICATION SHEET	PART NO.	3860-B-18S	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL238-2006-7-00 ⚠0	1/2

FORM HD0011-2-1

ATTACHMENT FIGURE

FIG-1



Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-127058-00		
HRS	SPECIFICATION SHEET	PART NO.	3860-B-18S		
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL238-2006-7-00	A	2/2