

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	APPLICABLE CABLE	JACKET DIAMETER φ6 MAX AWG 28

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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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°C , 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.		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 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°C MAX, 3 sec MAX	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—

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COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
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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.	ELC4-127059-00
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HRS	SPECIFICATION SHEET	PART NO.	3840-B-18P	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL238-2007-0-00	△ 1/1