APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	1 −25 °C TO +85 °C	STORAGE TEMPERATURE RANGE	2 −25 °C TO +60 °C
	VOLTAGE	125 V AC	OPERATING HUMIDTY RANGE	85 %MAX
	CURRENT	0.5 A	APPLICABLE CABLE	−

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 AC). 3 4 5	USING IDC TYPE : 50 mΩ MAX. (SIGNAL) USING SOLDER TYPE : 65 mΩ MAX. (SIGNAL)	X	—
INSULATION RESISTANCE	100 V DC.	1000 MΩ MIN.	X	—
VOLTAGE PROOF	250 V AC 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE : 36 N MAX. WITHDRAWAL FORCE : 3.3 N MIN.	X	—
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS. 3 4 5	1) CONTACT RESISTANCE USING IDC TYPE : 70 mΩ MAX. USING SOLDER TYPE : 85 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, 5 min/CYCLES, TOTAL 10 CYCLES.	1) NO ELECTRICAL DISCONTINUITY OF 10 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT	TEMPERATURE 40 °C, HUMIDITY 90 TO 95 %, FOR 96 h.	1) INSULATION RESISTANCE: 100 MΩ MIN. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE	TEMP −55 → +5 TO +35 → +85 → +5 TO +35 °C TIME 30 → 5 → 30 → 5 min. UNDER 5 CYCLES. 3 4 5	1) CONTACT RESISTANCE USING IDC TYPE : 70 mΩ MAX. USING SOLDER TYPE : 85 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SALT MIST	EXPOSED AT 5 % SALT WATER, FOR 48 h.	NO HEAVY CORROSION THAT LOSE FUNCTION.	X	—
SOLDERABILITY 1	SOLDERED AT SOLDER TEMPERATURE, 245 ± 5 °C FOR IMMERSION, DURATION 3 ± 0.5 S.	MIN. 95 % OF SOLDER IMMERSED AREA SHALL BE COVERED NEW SOLDER COATING.	X	—
RESISTANCE TO SOLDERING HEAT 1	A PROFILE IS SHOWN IN FIG-1, UNDRE 2 CYCLES.	NO DEFORMATION OR SIGNIFICANT LOOSENESS OF CONTACTS.	X	—

1 THE OPERATION TEMPERATURE INCLUDES THE RISE BY CURRENT CARRYING.

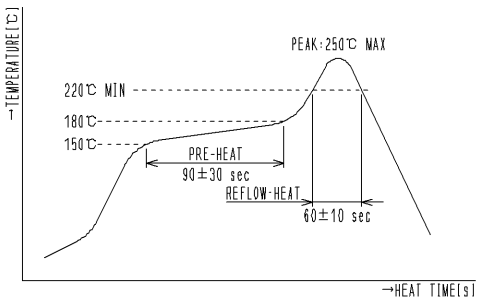
2 STORAGE TEMPERATURE RANGE SHOWS STORAGE CONDITION FOR UNUSED PRODUCTS INCLUDING PACKING MATERIALS.
FOLLOW THE OPERATING TEMPERATURE RANGE FOR STORAGE CONDITION AFTER MOUNTING.

3 EXCLUDES CONDUCTOR RESISTANCE OF CABLE.

4 EXAMINATION IS HELD WITH “DH-37-CT*B” , “DH3*B-37S” AND “DH80A-37P” . (PLUG : IDC TYPE)

5 EXAMINATION IS HELD WITH “DH-37-CT*B” , “DH40-37S” AND “DH80A-37P” . (PLUG : SOLDER TYPE)

FIG-1 REFLOW TEMPERATURE PROFILE 1



	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
4	4	DIS-E-004287	MT. ITANO	EJ. WAKATSUKI	12.07.17

REMARK

Unless otherwise specified, refer to JIS C 5402.

APPROVED	AO. SUZUKI	12.03.12
CHECKED	RI. TAKAYASU	12.03.12
DESIGNED	MT. ITANO	12.03.12
DRAWN	MT. ITANO	12.03.12

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

DRAWING NO. ELC4-127954-00

HRS	SPECIFICATION SHEET	PART NO.	DH80A-37P	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL244-0068-5-00 4	1/1

FORM HD0011-2-1