APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	1 -40 °C TO 85 °C 1	STORAGE TEMPERATURE RANGE	1 -25°C TO 60 °C 1	
	VOLTAGE	400 V AC , 560 V DC	OPERATING HUMIDITY RANGE	95% MAX 1	
	CURRENT	3 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).	7 mΩ MAX.	X	X
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX 1 mA (DC OR 1000Hz).		X	—
INSULATION RESISTANCE	500 V DC.	5000 MΩ MIN.	X	X
VOLTAGE PROOF	1250 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE : 123.5 N MAX. EXTRACTION FORCE : 82.4 N MAX.	X	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTAC RESISTANCE : 7 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55Hz, SINGLE AMPLITUDE 0.75 mm, AT 2h, FOR 3 DIRECTIONS.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s^2 DIRECTION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.		X	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5~35 → 85 → 5~35 °C. TIME 30 → 2~3 → 30 → 2~3 min. UNDER 5 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40℃ , 90~95 % , 96 h.	1) INSULATION RESISTANCE: 10 MΩ MIN (AT HIGH HUMIDITY). 1000 MΩ MIN (AT DRY). 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	X	—
RESISTANCE TO SOLDERING IRON HEAT 1	SOLDERING IRON TEMPERATURE, 350 ± 5 ℃ FOR IMMERSION, DURATION 5 ± 1 S.	NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY 1	SOLDERED AT SOLDER TEMPERATURE, 245 ± 2 ℃ FOR IMMERSION, DURATION 3 ± 1 S.	MIN. 95 % OF SOLDER IMMERSED AREA SHALL BE COVERED NEW SOLDER COATING.	X	—

1 1 ①STORAGE TEMPERATURE RANGE SHOWS STORAGE CONDITION FOR UNUSED PRODUCTS INCLUDING PACKING MATERIALS.

②THE OPERATION TEMPERATURE INCLUDES THE RISE BY CURRENT CARRYING.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
1	6	DIS-E-003999	SG. CHAMURA	YH. ENAMI	11. 10. 31

REMARK

Unless otherwise specified, refer to JIS C 5402.

APPROVED	YH. ENAMI	10. 05. 18
CHECKED	YH. ENAMI	10. 05. 18
DESIGNED	MT. ITANO	10. 05. 18
DRAWN	KK. TOKUNAGA	10. 05. 18

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

DRAWING NO. ELC4-009505-01

HRS	SPECIFICATION SHEET	PART NO.	HDCB-37P (05)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL211-0236-7-05 1	1/1

FORM HD0011-2-1