

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 : 83.3 N MAX. EXTRACTION FORCE : 55.8 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 <sup>2</sup> 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°C , 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 °C 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 °C FOR IMMERSION, DURATION 3 ± 1 S.	MIN. 95 % OF SOLDER IMMersed AREA SHALL BE COVERED NEW SOLDER COATING.	X	—
① ① ① STORAGE TEMPERATURE RANGE SHOWS STORAGE CONDITION FOR UNUSED PRODUCTS INCLUDING PACKING MATERIALS. ② THE OPERATION TEMPERATURE INCLUDES THE RISE BY CURRENT CARRYING.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△	6	DIS-E-003999	SG. CHAMURA	YH. ENAMI	11. 10. 31
REMARK			APPROVED	HO. MIWA	06. 07. 26
			CHECKED	HO. MIWA	06. 07. 26
			DESIGNED	YH. ENAMI	06. 07. 26
			DRAWN	YH. ENAMI	06. 07. 26
Unless otherwise specified, refer to JIS C 5402.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-009499-02	
HRS	SPECIFICATION SHEET		PART NO.	HDBB-25P (05)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL211-0215-7-05	△ 1/1