

APPLICABLE STANDARD								
RATING	OPERATING TEMPERATURE RANGE	-40 °C to 85 °C	STORAGE TEMPERATURE RANGE	-25°C to 60°C				
	VOLTAGE	400 V AC , 560 V DC	OPERATING HUMIDITY RANGE	95°C MAX				
	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		20mv MAX 1mA(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 : 5.5 Kgf MAX. Extraction force : 4.0 Kgf MAX.		X	—	
MECHANICAL OPERATION		500 times insertions and extractions.		Contac resistance : 7 mΩ MAX.		X	—	
VIBRATION		Frequency 10 to 55Hz, double amplitude 1.5 mm, at 2h, for 3 directions.		No damage, crack and looseness of parts.		X	—	
SHOCK		50G direction of pulse at 3 times for 3 directions.				X	—	
ENVIRONMENTAL CHARACTERISTICS								
DAMP HEAT (STEADY STATE)		Exposed at 40°C , 90~95 % , 96 h.		Insulation resistance: 10 MΩ MIN (at high humidity). 1000 MΩ MIN (at dry).		X	—	
RAPID CHANGE OF TEMPERATURE		Temperature -55 ~ 85 °C 5 cycles.		No damage, crack and looseness of parts.		X	—	
CORROSION SALT MIST		Exposed in 5 % salt water spray for 48 h.		No heavy corrosion.		X	—	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED		CHECKED	DATE		
	0							
REMARK				APPROVED	TU. TANIGUCHI	20230606		
				CHECKED	TU. TANIGUCHI	20230606		
				DESIGNED	KG. OKITA	20230606		
				DRAWN	KH. KOGI	20230606		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-022466-05-00			
	SPECIFICATION SHEET		PART NO.		HDEB-9PF (05)			
	HIROSE ELECTRIC CO., LTD.		CODE NO.		CL0211-0566-1-05		1/1	