





APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +125 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C <sup>(1)</sup>		
	VOLTAGE	60 V AC/DC	CURRENT	2 A 		
	APPLICABLE CABLE	AWG22 to AWG24	INSULATION DIAMETER	φ 1.4mm MAX		
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		1A DC.	10 mΩ MAX .	x	—	
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		10 mV AC MAX, 0.1 mA(DC OR 1000Hz)	10 mΩ MAX .	x	—	
MECHANICAL CHARACTERISTICS						
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—	
VIBRATION		FREQUENCY 20 TO 200Hz (44m/s <sup>2</sup> ) SWEEP TIME 3min.(ROUND TRIP) AT 3h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 7ΩMIN , 1μs MIN. ② CONTACT RESISTANCE: 20 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—	
SHOCK		981m/s2 DURATION OF PULSE 6ms AT 3 TIMES FOR 6 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 7ΩMIN , 1μs MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—	
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)		EXPOSED AT 60 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 20 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE- 40 →ROOM TEMP →125°C→ROOM TEMP TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—	
DRY HEAT		EXPOSED AT 140°C, 120 h.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—	
COLD		EXPOSED AT -40°C , 120 h.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—	
RESISTANCE TO SO <sub>2</sub> GAS		EXPOSED IN 25 PPM AT 75% MIN FOR 96h.	① CONTACT RESISTANCE: 20 mΩ MAX.	x	—	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
	1	DIS-T-00011473	AN. SAIKI	KH. MARUNO	20211008	
REMARK			APPROVED	OM. MIYAMOTO	20191219	
(NOTE1) "STORAGE" means a long-term storage state for the unused product.			CHECKED	OM. MIYAMOTO	20191219	
			DESIGNED	KH. MARUNO	20191219	
			DRAWN	KH. MARUNO	20191219	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-386851-00-00		
	SPECIFICATION SHEET		PART NO.	ZH05-2224PCF		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0756-2001-0-00		1/1