

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +125 °C 		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C ⁽¹⁾
	VOLTAGE	60 V AC/DC 		STORAGE HUMIDITY RANGE	RELATIVE HUMIDITY 85% MAX
	CURRENT	2 A 			(NOT DEWED)
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 .	- -
CONTACT RESISTANCE		10 mV AC MAX, 0.1 mA(DC OR 1000Hz)		10 mΩ MAX .	- -
MILLIVOLT LEVEL METHOD					
INSULATION RESISTANCE		500 V DC.		100 MΩ MIN.	x -
VOLTAGE PROOF		1000 V AC FOR 1 min.		NO BREAKDOWN. 	- -
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 ²) 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/s ² 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 -
LOCK STRENGTH		MEASURE BREAK STRENGTH OF THE LOCK BY PULLING THE CONNECTOR IN THE MATING DIRECTION.		① 100N MIN.	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 - 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 ₂ GAS		EXPOSED IN 25 PPM AT 75% MIN FOR 96h.		① CONTACT RESISTANCE: 20 mΩ MAX.	- -
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	5	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-390119-00-00	
	SPECIFICATION SHEET		PART NO.	ZH05-20DP-HU (B)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0756-2208-0-00	 1/1