

APPLICABLE STANDARD		SPECIFICATIONS					
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		STORAGE HUMIDITY RANGE	RELATIVE HUMIDITY 85% MAX (NOT DEWED)		
	CURRENT	2 A					
ITEM		TEST METHOD		REQUIREMENTS			
CONSTRUCTION							
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		
MARKING	CONFIRMED VISUALLY.				<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE	1A DC.		10 mΩ MAX.		<input checked="" type="checkbox"/> <input type="checkbox"/>		
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	10 mV AC MAX, 0.1 mA(DC OR 1000Hz)		10 mΩ MAX.		<input checked="" type="checkbox"/> <input type="checkbox"/>		
INSULATION RESISTANCE	500 V DC.		100 MΩ MIN.		<input checked="" type="checkbox"/> <input type="checkbox"/>		
VOLTAGE PROOF	1000 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		<input checked="" type="checkbox"/> <input type="checkbox"/>		
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		
VIBRATION	FREQUENCY 20 TO 200Hz (88m/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.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		
SHOCK	981m/s <sup>2</sup> 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.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		
LOCK STRENGTH	MEASURE BREAK STRENGTH OF THE LOCK BY PULLING THE CONNECTOR IN THE MATING DIRECTION.		① 100N MIN.		<input checked="" type="checkbox"/> <input type="checkbox"/>		
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.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		
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.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		
DRY HEAT	EXPOSED AT 140°C, 120 h.		① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		
COLD	EXPOSED AT -40°C , 120 h.		① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		
RESISTANCE TO SO <sub>2</sub> GAS	EXPOSED IN 25 PPM AT 75% MIN FOR 96h.		① CONTACT RESISTANCE: 20 mΩ MAX.		<input checked="" type="checkbox"/> <input type="checkbox"/>		
RESISTANCE TO SOLDERING HEAT	REFLOW TEMP. OVER 260°C , 10sec. PREHEAT 180°C MAX , 120sec.		NO PLATING PEELING OF THE TERMINALS, MELTINGS OF HOUSINGS.		<input checked="" type="checkbox"/> <input type="checkbox"/>		
SOLDERABILITY	SOLDERED AT SPECIFIED TEMPERATURE PROFILE.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.		<input checked="" type="checkbox"/> <input type="checkbox"/>		
COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED		
 1	DIS-T-00006023		YH. MAMADA		HH. TSUKUMO		
REMARK (NOTE1) "STORAGE" means a long-term storage state for the unused product before assembly to PCB.				APPROVED	HK. UMEHARA		
				CHECKED	HK. UMEHARA		
				DESIGNED	TY. ISHIGURO		
				DRAWN	MN. SATOH		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.			
				ELC-373534-00-00			
		SPECIFICATION SHEET		PART NO.	ZE05H-20DP-2H		
		HIROSE ELECTRIC CO., LTD.		CODE NO.	CL752-2115-0-00		
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