

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 .	x —
CONTACT RESISTANCE		10 mV AC MAX, 0.1 mA(DC OR 1000Hz)		10 mΩ MAX .	x —
MILLIVOLT LEVEL METHOD					
INSULATION RESISTANCE		500 V DC.		100 MΩ MIN.	x —
VOLTAGE PROOF		1000 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	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 — x —
VIBRATION		FREQUENCY 20 TO 200Hz (88m/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 — x — 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 — 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 — 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 — x —
DRY HEAT		EXPOSED AT 140°C, 120 h.		① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x — x —
COLD		EXPOSED AT -40°C , 120 h.		① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x — x —
RESISTANCE TO SO ₂ GAS		EXPOSED IN 25 PPM AT 75% MIN FOR 96h.		① CONTACT RESISTANCE: 20 mΩ MAX.	x —
RESISTANCE TO SOLDERING HEAT		REFLOW TEMP. OVER 260°C , 10sec. PREHEAT 180°C MAX , 120sec.		NO PLATING PEELING OF THE TERMINALS, MELTINGS OF HOUSINGS.	x —
SOLDERABILITY		SOLDERED AT SPECIFIED TEMPERATURE PROFILE.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.	x —
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
3	1	DIS-T-00013884	TY. IKEDA	HH. TSUKUMO	20220516
REMARK			APPROVED	HK. UMEHARA	20171016
(NOTE1) "STORAGE" means a long-term storage state for the unused product before assembly to PCB.			CHECKED	HK. UMEHARA	20171016
			DESIGNED	TY. ISHIGURO	20171016
			DRAWN	MN. SATOH	20171013
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-376503-00-00
HRS	SPECIFICATION SHEET		PART NO.	ZE05H-4P-2V 3	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0752-2310-0-00	3 1/1