






APPLICABLE STANDARD								
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +120 °C		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C ⁽¹⁾			
	CURRENT	30 A		STORAGE HUMIDITY RANGE	RELATIVE HUMIDITY 85% MAX (NOT DEWED)			
	VOLTAGE	600 V AC/DC						
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		10A DC. 		POWER:3mΩ/SIGNAL:10mΩ /SHIELD:50mΩ MAX.		x	—	
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV AC MAX, 10mA(DC OR 1000Hz) 		POWER:3mΩ/SIGNAL:10mΩ /SHIELD:50mΩ MAX.		x	—	
INSULATION RESISTANCE		1000 V DC.		100 MΩ MIN.		x	—	
VOLTAGE PROOF		2500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		x	—	
MECHANICAL CHARACTERISTICS								
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: POWER:5mΩMAX/SIGNAL:20mΩMAX ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		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: POWER:5mΩMAX/SIGNAL:20mΩMAX ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—	
LOCK STRENGTH		MEASURE BREAK STRENGTH OF THE LOCK BY PULLING THE CONNECTOR IN THE MATING DIRECTION.		98N MIN.		x	—	
DESTRUCTION TORQUE		WHEN ACTUAL MEASURED PANEL, PLEASE TIGHTEN A SCREW. M4 SCREW BE USED, 2.88N · m(MAX)		WITHOUT DESTRUCTION		x	—	
ENVIRONMENTAL CHARACTERISTICS								
DAMP HEAT (STEADY STATE)		EXPOSED AT 85 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: POWER:5mΩMAX/SIGNAL: 20mΩmax ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE- 40 →ROOM TEMP →120°C→ ROOM TEMP TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES.		① CONTACT RESISTANCE: POWER:5 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—	
DRY HEAT		EXPOSED AT 125°C, 300 h.		① CONTACT RESISTANCE: POWER:5mΩMAX/SIGNAL:20mΩMAX ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—	
COLD		EXPOSED AT -40°C , 120 h.		① CONTACT RESISTANCE: POWER:5mΩMAX/SIGNAL:20mΩMAX ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—	
RESISTANCE TO SO ₂ GAS		EXPOSED IN 25 PPM AT 75% MIN FOR 96h.		CONTACT RESISTANCE: POWER:5mΩMAX/SIGNAL:20mΩMAX		x	—	
WATERPROOFNESS		SINKING TO WATER AFTER EXPOSED AT 125°C WITH CONNECTORS MATED AND ATTACHED TO RECOMMENDED PANEL.		NO WATER IS INSIDE THE CONNECTOR.		x	—	
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED		DATE
	2	DIS-T-00003861		TS. SHIMIZU		AH. EDASHIGE		20180928
REMARK				APPROVED	HK. UMEHARA		20171129	
(NOTE1) "STORAGE" means a long-term storage state for the unused product.				CHECKED	HK. UMEHARA		20171129	
				DESIGNED	KO. NAKAMURA		20171129	
				DRAWN	MN. SATOH		20171129	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-367811-00-00		
	SPECIFICATION SHEET			PART NO.		HVH-280-2/2P-HU		
	HIROSE ELECTRIC CO., LTD.			CODE NO.		CL778-0500-0-00  1/1		