

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO 120 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C <sup>(1)</sup>	
	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. $\triangle 2$	3mΩ MAX.	x	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV AC MAX, 10mA(DC OR 1000Hz) $\triangle 2$	3mΩ MAX	x	—
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS. MEASURE CONTACT RESISTANCE.	① CONTACT RESISTANCE: 5mΩMAX ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—
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: 5mΩMAX ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 85 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 5mΩMAX 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: 5mΩMAX 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: 5mΩMAX ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—
COLD		EXPOSED AT -40°C , 120 h.	① CONTACT RESISTANCE: 5mΩMAX 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.	CONTACT RESISTANCE:5mΩMAX	x	—
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
$\triangle 2$	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-368756-00-00	
HRS	SPECIFICATION SHEET		PART NO.	HVV-280-1214SCF	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL778-0502-0-00	$\triangle 2$ 1/1