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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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 					
INSULATION RESISTANCE	1000 V DC.		100 MΩ MIN.	x	-
VOLTAGE PROOF	2500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	x	-
MECHANICAL CHARACTERISTICS 					
VIBRATION	FREQUENCY 20 TO 200Hz (88m/s ²) SWEEP TIME 3min.(ROUND TRIP) AT 3h FOR 3 DIRECTIONS.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-
ENVIRONMENTAL CHARACTERISTICS 					
DAMP HEAT (STEADY STATE)	EXPOSED AT 85 °C, 90 ~ 95 %, 96 h.		① INSULATION RESISTANCE:100 MΩ MIN. ② 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 INSULATION RESISTANCE:100 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-
DRY HEAT	EXPOSED AT 125°C, 300 h.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-
COLD	EXPOSED AT -40°C , 120 h.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-
WATARPROOFNESS	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
	5	DIS-T-00003344	TS.SHIMIZU	AH.EDASHIGE	18.05.31
REMARK (NOTE1) "STORAGE" means a long-term storage state for the unused product.			APPROVED	HK.UMEHARA	17.11.29
			CHECKED	HK.UMEHARA	17.11.29
			DESIGNED	KO.NAKAMURA	17.11.29
			DRAWN	MN.SATOH	17.11.29
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-370501-00-00	
	SPECIFICATION SHEET		PART NO.	HVH-280-2/2P-HO	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL778-0506-0-00	1/1