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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	-25°C TO +85°C (NOTE 1)		STORAGE TEMPERATURE RANGE	-10°C TO +60°C (NOTE 2)		
	OPERATING HUMIDITY RANGE	40% TO 80%		STORAGE HUMIDITY RANGE	40% TO 70% (NOTE 2)		
	VOLTAGE	250V AC		APPLICABLE CABLE	AWG 22 TO 26 ( $\phi$ 1.35 TO $\phi$ 1.70)		
	CURRENT	AWG 22~24 : 3 A AWG 26 : 2 A					
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 OR 1000 Hz).		10m $\Omega$ MAX.		X	-
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND EXTRACTION FORCES		<input type="checkbox"/> 0.635 $\pm$ 0.002 mm BY STEEL GAUGE.		INSERTION FORCE :4.4 N MAX. EXTRACTION FORCE :0.4 N MIN		X	-
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 20m $\Omega$ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	-
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 $\mu$ s. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	-
SHOCK		490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 $\mu$ s. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	-
ENVIRONMENTAL CHARACTERISTICS							
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -25 $\rightarrow$ 5 TO 35 $\rightarrow$ +85 $\rightarrow$ 5 TO 35 °C TIME 30 $\rightarrow$ 10 $\rightarrow$ 30 $\rightarrow$ 10 min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 10m $\Omega$ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	-
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 $\pm$ 2 °C, 90 TO 95 %, 96 h.		① CONTACT RESISTANCE: 10m $\Omega$ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	-
SULPHUR DIOXIDE		EXPOSED IN 5 %, 35°C, SALT WATER SPRAY FOR 48 h.		NO HAEAVY CORROSION.		X	-
REMARKS							
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT.							
NOTE 2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTSBEFORE PCB ON BOARD. AFTER PCB BOARD , OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERM STORAGE DURING TRANSPORTATION.							
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
Unless otherwise specifid , refer to JIS C 5402.				APPROVED	TY.OMA	06.08.07	
				CHECKED	HK.UMEHARA	06.08.07	
				DESIGNED	AH.MIYAZAKI	06.08.03	
				DRAWN	AH.MIYAZAKI	06.08.03	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-008108-02		
	SPECIFICATION SHEET		PART NO.	HNC-2. 5S-D-A (15)			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL218-0037-5-15		1/	