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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	-55 °C TO 85 °C ⁽¹⁾	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾	
	VOLTAGE	100 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %	
	CURRENT	0.5 A	STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾	
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×	
MARKING	CONFIRMED VISUALLY.		×	×	
ELECTRIC CHARACTERISTICS					
INSULATION RESISTANCE	100 V DC.	500 MΩ MIN.	×		
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×		
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×		
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGL AMPLITUDE : 0.76 mm, AT 2 h FOR 3 DIRECTION.		×		
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		×		
LOCK STRENGTH	MATE TO APPLICABLE CONNECTOR AND APPLY PULL FORCE HORIZONTALLY.		30 N MIN.	×	
LANCE STRENGTH	INSERT APPLICABLE CONTACT AND PULL CABLE.		4 N MIN.	×	
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 ~ 95 %, 96 h.	① INSULATION RESISTANCE: 500 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×		
DRY HEAT	EXPOSED AT 85 °C, 96 h		×		
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→+5~+35→+85→+5~+35°C TIME 30→ 5 MAX→ 30→5 MAX min. UNDER 5 CYCLES.		×		
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	×		
SULFUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS-C-0090)		×		
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△					
REMARKS ⁽¹⁾ INCLUDE TEMPRERATURE RISE CAUSED BY CURRENT-CARRYING. ⁽²⁾ "STORAGE" MEANS A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE ASSEMBLY TO PCB.		APPROVED	HS.OKAWA	06.11.13	
		CHECKED	HT.YAMAGUCHI	06.11.10	
		DESIGNED	KN.SHIBUYA	06.11.10	
Unless otherwise specified, refer to JIS-C-5402.		DRAWN	TH.KAMAI	06.11.08	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-155943-00		
HRS	SPECIFICATION SHEET	PART NO.	FX15M-21P-C		
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL575-2109-4-00	△ 1/	