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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 <sup>(1)</sup>	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>	
	VOLTAGE	100 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %	
	CURRENT	0.5 A	STORAGE HUMIDITY RANGE	40 % TO 70 % <sup>(2)</sup>	
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	x	x
MARKING	CONFIRMED VISUALLY.			x	x
<b>ELECTRIC CHARACTERISTICS</b>					
INSULATION RESISTANCE	100 V DC.		500 MΩ MIN.	x	
VOLTAGE PROOF	300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	x	
<b>MECHANICAL CHARACTERISTICS</b>					
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGL AMPLITUDE : 0.76 mm, AT 2 h FOR 3 DIRECTION.			x	
SHOCK	490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			x	
LOCK STRENGTH	MATE TO APPLICABLE CONNECTOR AND APPLY PULL FORCE HORIZONTALLY.		30 N MIN.	x	
LANCE STRENGTH	INSERT APPLICABLE CONTACT AND PULL CABLE.		5 N MIN.	x	
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.		① INSULATION RESISTANCE: 500 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	
DRY HEAT	EXPOSED AT 85±2 °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.			x	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.	x	
SULFUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS-C-0090)			x	
RESISTANCE TO SOLDERING HEAT	SOLDERING IRONS : 360°C MAX. FOR 3 sec.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.	x	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
					
REMARKS <sup>(1)</sup> INCLUDE TEMPRERATURE RISE CAUSED BY CURRENT-CARRYING. <sup>(2)</sup> "STORAGE" MEANS A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE ASSEMBLY TO PCB.			APPROVED	HS. OKAWA	05.08.05
			CHECKED	HT. YAMAGUCHI	05.08.05
			DESIGNED	KN. SHIBUYA	05.08.05
Unless otherwise specified, refer to JIS-C-5402.			DRAWN	KN. SHIBUYA	05.08.05
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-155938-00
	SPECIFICATION SHEET		PART NO.	FX15S-41P-C	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL575-2107-9-00	 1/1