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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, 2 hrs IN 3 DIRECTIONS.		x	
SHOCK	490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms FOR 3 TIMES IN 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 hrs.	① INSULATION RESISTANCE: 500 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	
DRY HEAT	EXPOSED AT 85±2 °C, 96 hrs.			
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→+5~+35→+85→+5~+35°C TIME 30→ 5 MAX→ 30→5 MAX min. 5 CYCLES.		x	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 hrs.	NO HEAVY CORROSION.	x	
SULFUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 hrs. (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 TEMPERATURE 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	08.09.11
		CHECKED	HT. YAMAGUCHI	08.09.11
		DESIGNED	KN. SHIBUYA	08.09.10
		DRAWN	TH. SANO	08.09.10
Unless otherwise specified, refer to JIS-C-5402.				
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-156431-00	
	SPECIFICATION SHEET	PART NO.	FX15SW-31P-C	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL575-2113-1-00	1/1