

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.	x x
MARKING		CONFIRMED VISUALLY.			x x
ELECTRIC CHARACTERISTICS					
INSULATION RESISTANCE		100 V DC.		500 MΩ MIN.	x
VOLTAGE PROOF		300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	x
MECHANICAL CHARACTERISTICS					
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 ² , 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
ENVIRONMENTAL CHARACTERISTICS					
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 ⁽¹⁾ INCLUDE TEMPERATURE RISE CAUSED BY CURRENT-CARRYING. ⁽²⁾ "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
HRS	SPECIFICATION SHEET		PART NO.	FX15SW-31P-C	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL575-2113-1-00	△ 1/1