



APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾	
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %	
	CURRENT	0.5 A	STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾	
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	
MARKING		CONFIRMED VISUALLY.		x	x
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).		45m Ω MAX.	x
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX, 1 mA(DC OR 1000Hz)		55m Ω MAX.	x
INSULATION RESISTANCE		250 V DC.		100 M Ω MIN.	x
VOLTAGE PROOF		300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 55 m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	
VIBRATION		FREQUENCY 10 TO 55 Hz, AMPLITUDE: 1.52 mm, AT 2 h FOR 3 DIRECTION.		① NO ELECTRICAL DISCONTINUITY OF 1 μ s. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	
SHOCK		490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		x	
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 \pm 2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 55 m Ω MAX. ② INSULATION RESISTANCE: 100 M Ω MIN.	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-55 \rightarrow +15 \sim +35 \rightarrow +85 \rightarrow +15 \sim +35°C TIME 30 \rightarrow 10 \sim 15 \rightarrow 30 \rightarrow 10 \sim 15 UNDER 5 CYCLES.		③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 55m Ω MAX. ② NO HEAVY CORROSION.	
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38)		x	
RESISTANCE TO SOLDERING HEAT		1) REFLOW SOLDERING :250 °C MAX, 220 °C MIN, FOR 60 s		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.	
		2) SOLDERING IRON 360 °C, FOR 5 s		x	
SOLDRABILITY		SOLDERED AT SOLDER TEMPERATURE 240 \pm 3°C FOR IMMERSION DURATION, 3s.		A NEW UNIFORM COATING OF SOLDER SHALL OVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSIED.	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
					
REMARK ⁽¹⁾ TEMPERATURE RISE INCLUDED WHEN ENERGIZED. ⁽²⁾ THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.			APPROVED	HS. OKAWA	05.08.06
			CHECKED	HS. OZAWA	05.08.06
			DESIGNED	TK. YANAGISAWA	05.08.04
Unless otherwise specified, refer to MIL-STD-1344.			DRAWN	TK. YANAGISAWA	05.08.04
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-152588-21	
HRS	SPECIFICATION SHEET		PART NO.	FX2-**P-0. 635SH(71)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	 1/1	