

APPLICABLE STANDARD		SPECIFICATIONS				
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⁾		
CONSTRUCTION						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.			X X	
MARKING	CONFIRMED VISUALLY.				X X	
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	40 mΩ MAX.			X	
CONTACT RESISTANCE	20 mV MAX, 1 mA(DC OR 1000Hz)	50 mΩ MAX.			X	
MILLIVOLT LEVEL METHOD						
INSULATION RESISTANCE	250 V DC	100 MΩ MIN.			X	
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.			X	
MECHANICAL CHARACTERISTICS						
INSERTION AND WITHDRAWAL FORCE	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE : 35.2 N MAX. WITHDRAWAL FORCE : 4.0 N MIN.			X	
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 50 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, 2 hrs IN 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.				X	
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 hrs.	① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN.			X	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-55→+15~+35→ +85→+15~+35°C TIME 30 → MAX 5 → 30 → MAX 5 min 5 CYCLES.	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 hrs.	① CONTACT RESISTANCE: 50 mΩ MAX. ② NO HEAVY CORROSION.			X	
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 hrs. (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 TERMINALS.			X	
	2) SOLDERING IRONS : 360 °C, FOR 5 s				X	
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 240°C, FOR IMMERSION DURATION, 3 sec.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.			X	
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	05.09.06
				CHECKED	HS.OZAWA	05.09.05
				DESIGNED	TH.NODA	05.09.05
Unless otherwise specified, refer to MIL-STD-1344.				DRAWN	TH.NODA	05.09.05
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-084979-25		
HS	SPECIFICATION SHEET		PART NO.	FX6-40S-0.8SV (71)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL576-0103-3-71	△ 1/1	