

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	0.4 A	STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾		
CONSTRUCTION						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
MARKING	CONFIRMED VISUALLY.				<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).		45 mΩ MAX.		<input checked="" type="checkbox"/>	
CONTACT RESISTANCE	20 mV MAX, 1 mA(DC OR 1000Hz)		55 mΩ MAX.		<input checked="" type="checkbox"/>	
MILLIVOLT LEVEL METHOD						
INSULATION RESISTANCE	250 V DC		100 MΩ MIN.		<input checked="" type="checkbox"/>	
VOLTAGE PROOF	300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		<input checked="" type="checkbox"/>	
MECHANICAL CHARACTERISTICS						
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 55 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/>	
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 55 mΩ MAX.		<input checked="" type="checkbox"/>	
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/>	
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 55 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN.		<input checked="" type="checkbox"/>	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-55→+15~+35→ +85→+15~+35°C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.		③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/>	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 55 mΩ MAX. ② NO HEAVY CORROSION.		<input checked="" type="checkbox"/>	
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA 38)				<input checked="" type="checkbox"/>	
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.		<input checked="" type="checkbox"/>	
	2) SOLDERING IRONS : 360 °C, FOR 5 s				<input checked="" type="checkbox"/>	
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 240 ± 3 °C, FOR IMMERSION DURATION, 3 s.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.		<input checked="" type="checkbox"/>	
	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	10.07.02
				CHECKED	HT. YAMAGUCHI	10.07.02
				DESIGNED	SY. KAMIGA	10.07.01
				DRAWN	HK. SUNADORI	10.07.01
Unless otherwise specified, refer to JIS C 5402.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-150573-24	
	SPECIFICATION SHEET			PART NO.	FX8-140P-SV1 (91)	
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL578-0047-7-91	
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