

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"/> <input checked="" type="checkbox"/>
CONTACT RESISTANCE	20 mV MAX, 1 mA(DC OR 1000Hz)	55 mΩ MAX.			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
MILLIVOLT LEVEL METHOD					
INSULATION RESISTANCE	250 V DC	100 MΩ MIN.			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.			<input checked="" type="checkbox"/> <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"/> <input checked="" type="checkbox"/>
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, 2 hrs IN 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 55 mΩ MAX.			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 hrs.	① CONTACT RESISTANCE: 55 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-55→+15~+35→ +85→+15~+35°C TIME 30 → 2~3 → 30 → 2~3 min 5 CYCLES.				<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 hrs.	① CONTACT RESISTANCE: 55 mΩ MAX. ② NO HEAVY CORROSION.			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 hrs. (TEST STANDARD: JEIDA 38)				<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
RESISTANCE TO SOLDERING HEAT	1)AUTOMATIC SOLDERING (REFLOW) SOLDER TEMPERATURE, 250°C MAX 220°C MIN. FOR 60 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	2)MANUAL SOLDERING SOLDERING IRON TEMPRATURE: 360°C SOLDERING TIME : 5 sec MAX				<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
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.			<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
<input checked="" type="checkbox"/>					
REMARK ⁽¹⁾ TEMPERATURE RISE INCLUDED WHEN ENERGIZED. ⁽²⁾ THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. Unless otherwise specified, refer to JIS C 5402.				APPROVED	HS.OKAWA 05.10.11
				CHECKED	HS.OZAWA 05.10.11
				DESIGNED	TK.YANAGISAWA 05.10.01
				DRAWN	TK.YANAGISAWA 05.10.01
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-150571-21	
HS	SPECIFICATION SHEET		PART NO.	FX8-100P-SV1 (91)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL578-0045-1-91	<input checked="" type="checkbox"/> 1/1