

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C	
	VOLTAGE	100 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %	
	CURRENT	0.4 A	STORAGE HUMIDITY RANGE	40 % TO 70 %	
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		× ×
MARKING	CONFIRMED VISUALLY.				× ×
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).		80 mΩ MAX. ⁽¹⁾		×
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX, 1 mA(DC OR 1000Hz)		100 mΩ MAX. ⁽²⁾		×
INSULATION RESISTANCE	250 V DC		100 MΩ MIN.		×
VOLTAGE PROOF	300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		×
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCE	MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE : 70.0 N MAX. WITHDRAWAL FORCE : 6.5 N MIN.		×
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE:100 mΩ MAX. ⁽²⁾ 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 CONTACT RESISTANCE:100 mΩ MAX. ⁽²⁾		×
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.		③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 hrs.		① CONTACT RESISTANCE:100 mΩ MAX. ⁽²⁾ ② INSULATION RESISTANCE:100 MΩ MIN.		×
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-55→+15~+35→+85→+15~+35°C TIME 30 → 2~3 → 30 → 2~3 min 5 CYCLES.		③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 hrs.		① CONTACT RESISTANCE:100 mΩ MAX. ⁽²⁾ ② NO HEAVY CORROSION.		×
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 hrs. (TEST STANDARD: JEIDA 38)				×
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING : 250 °C MAX, : 220 °C MIN, FOR 60 s 2) SOLDERING IRONS : 360 °C, FOR 5 s		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		×
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.		×
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△/0					
REMARK ⁽¹⁾ THIS CONNECTOR'S INITIAL CONTACT RESISTANCE SHALL BE 80 mΩ, BECAUSE OF THE BULK RESISTANCE OF STACKING HEIGHT 16 mm TYPE. ⁽²⁾ AFTER TEST, THE CHANGE OF THE CONTACT RESISTANCE SHALL BE 20 mΩ MAX. Unless otherwise specified, refer to JIS C 5402.			APPROVED	HS. OKAWA	05.09.06
			CHECKED	HS. OZAWA	05.09.05
			DESIGNED	TH. NODA	05.09.05
			DRAWN	TH. NODA	05.09.05
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-150883-21
HRS	SPECIFICATION SHEET		PART NO.	FX8C-100S-SV (91)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL578-0805-3-91	△/0 1/1