

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	QT	AT
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. <sup>(1)</sup>	×	
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX, 1 mA(DC OR 1000Hz)	100 mΩ MAX. <sup>(2)</sup>	×	
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 : 56.0 N MAX. WITHDRAWAL FORCE : 5.2 N MIN.	×	
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE:100 mΩ MAX. <sup>(2)</sup> 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. <sup>(2)</sup>	×	
SHOCK		490 m/s <sup>2</sup> , 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. <sup>(2)</sup> 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. <sup>(2)</sup> ② NO DEFECT SUCH AS CORROSION WHICH IMPAIRS THE FUNCTION OF CONNECTOR.	×	
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
△					
REMARK <sup>(1)</sup> THIS CONNECTOR'S INITIAL CONTACT RESISTANCE SHALL BE 80 mΩ , BECAUSE OF THE BULK RESISTANCE OF STACKING HEIGHT 16 mm TYPE. <sup>(2)</sup> AFTER TEST, THE CHANGE OF THE CONTACT RESISTANCE SHALL BE 20 mΩ MAX. Unless otherwise specified, refer to JIS C 5402.			APPROVED	NH. NAKATA	18. 02. 28
			CHECKED	HT. YAMAGUCHI	18. 02. 28
			DESIGNED	TY. EDAGAWA	18. 02. 28
			DRAWN	MK. INOUE	18. 02. 23
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-150882-68-00
HRS	SPECIFICATION SHEET		PART NO.	FX8C-80S-SV (68)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL578-0803-8-68	△ 1/1