

COUNT	DESCRIPTION OF REVISIONS			BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS			BY	CHKD	DATE
⚠ 2	RE-F-09653			K.N	H.Y	04.04.06	⚠						
⚠ 1	RE-F-10251			K.D	H.O	05.02.02	⚠						
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. ⁽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 FORCES	MEASURED BY APPLICABLE CONNECTOR.					INSERTION FORCE: (0.7 × ※※) N MAX. WITHDRAWAL FORCE: (0.065 × ※※) 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, AT 2 h FOR 3 DIRECTION.					① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 100 mΩ MAX. ⁽²⁾					×		
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.					③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					×		
ENVIRONMENTAL CHARACTERISTICS													
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.					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 UNDER 5 CYCLES.					③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					×		
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.					① CONTACT RESISTANCE: 100 mΩ MAX. ⁽²⁾ ② NO HEAVY CORROSION.					×		
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 h. (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 ± 3°C, ⚠ FOR IMMERSION DURATION, 3 s.					A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.					×		
REMARKS ⁽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 CHANCE OF THE CONTACT RESISTANCE SHALL BE 20 mΩ MAX. Unless otherwise specified, refer to JIS C 5402.						DRAWN S.SUZUKI	DESIGNED K.NAKAMURA	CHECKED H.OKAWA	APPROVED Y.YOSHIMURA	RELEASED			
Note QT:Qualification Test AT:Assurance Test *:Applicable Test													
 HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET				PART NO. FX8C-※※S-SV(93)					
CODE NO.(OLD) CL		DRAWING NO. ELC4 - 151022- 23			CODE NO. CL 578			1		1			