

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				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													
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, AT 2 h FOR 3 DIRECTION.				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 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. <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 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. <sup>(2)</sup> 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 <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 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-※※P-SV1(92)					
CODE NO.(OLD) CL		DRAWING NO. ELC4 – 151087 – 22		CODE NO.		CL 578		1	1				