

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.Y	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									
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. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-55→+15~+35→+85→+15~+35°C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.							×	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.							×	
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38)				① CONTACT RESISTANCE: 100 mΩ MAX. ⁽²⁾ ② NO HEAVY CORROSION.			×	
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING : 250 °C MAX, : 220 °C MIN, FOR 60 s 2) SOLDERING IRONS : 360 °C, FOR 5 s							×	
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-※※P-SV4(92)	
CODE NO.(OLD) CL		DRAWING NO. ELC4 – 151089 – 22			CODE NO. CL 578			1 1	