

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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									
OPERATING TEMPERATURE RANGE		-55 °C TO 85 °C			STORAGE TEMPERATURE RANGE		-10 °C TO 60 °C		
RATING 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			
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.		X X		
MARKING		CONFIRMED VISUALLY.					X X		
ELECTRIC CHARACTERISTICS									
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz),	80 mΩ MAX. (1)			X				
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX, 1 mA(DC OR 1000Hz)	100 mΩ MAX. (2)			X				
INSULATION RESISTANCE	250 V DC.	100 MΩ MIN.			X				
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.			X				
MECHANICAL CHARACTERISTICS									
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE: (0.7 x ※※) N MAX. WITHDRAWAL FORCE: (0.065 x ※※) N MIN.		X			
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 100 mΩ MAX. (2) ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X			
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) ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X			
SHOCK	490 ms ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.					X			
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.		X			
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: 55 → +15 ~ +35 → +85 → +15 ~ +35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.					X			
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			① CONTACT RESISTANCE: 100 mΩ MAX. (2) ② NO HEAVY CORROSION.		X			
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38)					X			
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING: 280 °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.		X			
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 IMMERSERD.		X			
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.									
Note QT: Qualification Test AT: Assurance Test X: Applicable Test									
DRAWING NO. ELC4-151022-23		SPECIFICATION SHEET		PART NO. FX8C-※※S-SV(93)					
CODE NO. (OLD) CL		CODE NO.		CL 578					
PCK									
TO									