

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 %

  

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.		×	
VIBRATION		FREQUENCY 10 TO 55 Hz. AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTION.		×	
SHOCK		490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		×	
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.	① CONTACT RESISTANCE: 100 mΩ MAX. (2) ② NO HEAVY CORROSION.		×	
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)	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		×	
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING: 250 °C MAX., : 220 °C MIN, FOR 60 s 2) SOLDERING IRONS : 360 °C, FOR 5 s	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSSED.		×	
SOLDERABILITY	△ SOLDERED AT SOLDER TEMPERATURE, 240 ± 3°C, FOR IMMERSION DURATION, 3 s.			×	

  

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					
DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
S.SUZUKI	K.NAKAMURA	H.OKAWA	Y.YOSHIMURA		
03.02.13	03.02.13	03.02.14	03.02.15		

  

CODE NO.(OLD)	DRAWING NO.	SPECIFICATION SHEET	PART NO.
CL	ELC4-151088-22		FX8C-※※P-SV2(92)

  

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