

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	REF-09653	K.N	H.Y	04.04.06					
1	REF-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		
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.				
MARKING					CONFIRMED VISUALLY.				
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									
MECHANICAL OPERATION					50 TIMES INSERTIONS AND EXTRACTATIONS.				
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.				
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-36)				
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.				
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			
SPECIFICATION SHEET									
HIROSE ELECTRIC CO., LTD.			PART NO.			FX8C-※※P-SV(92)			
DRAWING NO.		ELC4 - 151020 - 22		CODE NO.		CL 578			
CODE NO.(OLD)		CL		FORM NO.		231-1			

TO	
PCK	