



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

APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE		STORAGE TEMPERATURE RANGE	
		-55 °C TO 85 °C		-40 °C TO 60 °C (1)	
RATING		VOLTAGE		OPERATING HUMIDITY RANGE	
		50 V AC			
		STORAGE HUMIDITY RANGE		RELATIVE HUMIDITY 95 % RH MAX. (2)	
		40 % TO 70 % (1)			
		CURRENT		REFER TO FX10-168pin DERATING CURVES FROM TEST REPORTS TR570E-20587	
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
CONSTRUCTION					
GENERAL EXAMINATION		VISUAL AND WITH MEASURING INSTRUMENT.	ACCORDING TO DRAWING.		
MARKING		CONFIRM VISUALLY.	x	x	x
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		100 mA and 20 mv OPEN CIRCUIT MAX.	60 mΩ MAX.	x	—
[EIA-364-23]					
INSULATION RESISTANCE		100 V DC.	100 MΩ MIN.	x	—
[EIA-364-21]					
VOLTAGE PROOF		150 V AC FOR 1 MINUTE.	NO FLASHOVER OR BREAKDOWN.	x	x
[EIA-364-20]					
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTORS.	INSERTION FORCE: 100.8 N MAX. WITHDRAWAL FORCE: 4.2 N MIN.	x	—
[EIA-364-13]					
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTION.	① CONTACT RESISTANCE CHANGE: 10 mΩ OR LESS ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—
[EIA-364-09]					
RANDOM VIBRATION		FREQUENCY: 20 TO 500 Hz POWER SPECTRAL DENSITY: 0.02 G ² /Hz OVERALL ms G: 3.1 Grms FOR 15 MINUTES IN THREE DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs OR MORE. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	x	—
[EIA-364-28]					
SHOCK		490 m/s ² , DURATION OF PULSE: 11 ms 3 EACH DIRECTION, 3 AXIS.		x	—
[EIA-364-27]					
ENVIRONMENTAL CHARACTERISTICS					
THERMAL SHOCK		TEMPERATURE: -55 → 15 ~ 35 → 85 → 15 ~ 35 °C TIME: 30 → 5 → 30 → 5 min. UNDER 10 CYCLES	① CONTACT RESISTANCE CHANGE: 10 mΩ OR LESS ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	x	—
[EIA-364-32]					
CYCLIC TEMPERATURE AND HUMIDITY		@ 25 °C, 80% RH: 60 MIN DWELL TIME 30 MIN RAMP TIME @ 65 °C, 50% RH: 60 MIN DWELL TIME UNDER 24 CYCLES.		x	—
[EIA-364-31]					
DRY HEAT		EXPOSED AT 105 °C, 1000 hr.		x	—
[EIA-364-17]					
MIXED FLOWING GAS		EXPOSED AT 30 °C, 70% Cl ₂ : 10 ppb, NO ₂ : 200 ppb, H ₂ S : 10 ppb, SO ₂ : 100 ppb UNMATED 7 DAYS, MATED 7 DAYS.	① CONTACT RESISTANCE CHANGE: 10 mΩ OR LESS ② NO HEAVY CORROSION.	x	—
[EIA-364-65]					
REFLOW TEMPERATURE CONDITION		REFLOW PEAK TEMPERATURE : 260 °C AT CONNECTOR SURFACE.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.	x	—
[IPC / JEDEC J-STD-020C]					
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
REMARK (1) THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. (2) NO DEW CONDENSATION IS PERMITTED.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-151991-23	
		SPECIFICATION SHEET		PART NO. FX10B-168S-SV (83)	
		HIROSE ELECTRIC CO., LTD.		CODE NO. CL570-0254-0-83	
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