

APPLICABLE STANDARD		SPECIFICATIONS			
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽¹⁾	
	VOLTAGE	50 V AC	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY 95 % RH MAX. ⁽²⁾	
	CURRENT	0.3 A	STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽¹⁾	
CONSTRUCTION					
GENERAL EXAMINATION	VISUAL AND WITH MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
MARKING	CONFIRM VISUALLY.				<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE [EIA-364-23]	100 mA and 20 mv OPEN CIRCUIT MAX.			11mm height : 95 mΩ MAX. 12mm height : 100 mΩ MAX. 13mm height : 105 mΩ MAX.	<input checked="" type="checkbox"/> <input type="checkbox"/>
INSULATION RESISTANCE [EIA-364-21]	100 V DC.			100 MΩ MIN.	<input checked="" type="checkbox"/> <input type="checkbox"/>
VOLTAGE PROOF [EIA-364-20]	150 V AC FOR 1 MINUTE.			NO FLASHOVER OR BREAKDOWN.	<input checked="" type="checkbox"/> <input type="checkbox"/>
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES [EIA-364-13]	MEASURED BY APPLICABLE CONNECTORS.			INSERTION FORCE: 86.4 N MAX. WITHDRAWAL FORCE: 3.6 N MIN.	<input checked="" type="checkbox"/> <input type="checkbox"/>
MECHANICAL OPERATION [EIA-364-09]	50 TIMES INSERTIONS AND EXTRACTION.			① CONTACT RESISTANCE CHANGE: 20 mΩ OR LESS ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	<input checked="" type="checkbox"/> <input type="checkbox"/>
RANDOM VIBRATION [EIA-364-28]	FREQUENCY: 20 TO 500 Hz POWER SPECTRAL DENSITY: 0.02 G ² /Hz OVERALL rms 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.	<input checked="" type="checkbox"/> <input type="checkbox"/>
SHOCK [EIA-364-27]	490 m/s ² , DURATION OF PULSE: 11 ms 3 EACH DIRECTION, 3 AXIS.				<input checked="" type="checkbox"/> <input type="checkbox"/>
ENVIRONMENTAL CHARACTERISTICS					
THERMAL SHOCK [EIA-364-32]	TEMPERATURE: -55 → 15 ~ 35 → 85 → 15 ~ 35 °C TIME: 30 → 5 → 30 → 5 min. UNDER 10 CYCLES			1) CONTACT RESISTANCE CHANGE: 20 mΩ OR LESS 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	<input checked="" type="checkbox"/> <input type="checkbox"/>
CYCLIC TEMPERATURE AND HUMIDITY [EIA-364-31]	@ 25 °C, 80% RH: 60 MIN DWELL TIME 30 MIN RAMP TIME @ 65 °C, 50% RH: 60 MIN DWELL TIME UNDER 24 CYCLES.				<input checked="" type="checkbox"/> <input type="checkbox"/>
DRY HEAT [EIA-364-17]	EXPOSED AT 105 °C, 1000 hr.				<input checked="" type="checkbox"/> <input type="checkbox"/>
MIXED FLOWING GAS [EIA-364-65]	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: 20 mΩ OR LESS 2) NO HEAVY CORROSION.	<input checked="" type="checkbox"/> <input type="checkbox"/>
REMARK ⁽¹⁾ THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. ⁽²⁾ NO DEW CONDENSATION IS PERMITTED.				APPROVED	TM. MATSUO 17.07.26
				CHECKED	TM. MATSUO 17.07.26
				DESIGNED	AS. MATSUZAWA 17.07.26
				DRAWN	XINGYU CHENG 17.07.26
Note QT: Qualification Test AT: Assurance Test X: Applicable Test			DRAWING NO.		ELC-361672-03-00
	SPECIFICATION SHEET		PART NO.	FX10-144IP-8PH(03)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL608-0012-0-03	 1/1