

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		-10°C TO 60 °C ⁽¹⁾	
RATING	TEMPERATURE RANGE	50 V AC		OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY 95 % RH MAX. ⁽²⁾
	VOLTAGE	0.3 A <th>CURRENT</th> <td>40 % TO 70 % ⁽¹⁾</td>		CURRENT	40 % TO 70 % ⁽¹⁾
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.	11mm height : 95 mΩ MAX. 12mm height : 100 mΩ MAX. 13mm height : 105 mΩ MAX.	X	-
[EIA-364-23]			100 MΩ MIN.	X	-
INSULATION RESISTANCE		100 V DC.			
[EIA-364-21]					
VOLTAGE PROOF		150 V AC FOR 1 MINUTE.	NO FLASHOVER OR BREAKDOWN.	X	X
[EIA-364-20]					
MECHANICAL CHARACTERISTICS					
MECHANICAL AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTORS.	INSERTION FORCE: 86.4 N MAX. WITHDRAWAL FORCE: 3.6 N MIN.	X	-
[EIA-364-13]					
MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRACTION.	① CONTACT RESISTANCE CHANGE: 20 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 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.	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: 20 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: 20 MΩ OR LESS ② NO HEAVY CORROSION.	X	-
[EIA-364-65]					
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.	ELC4-355706-01		
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET	PART NO.	FX10-1441P-440-8PH (03)	
		CODE NO.	CL608-0010-4-03	△	1/1