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 In case that the application demands a high level of reliability, such as automotive,
 please contact a company representative for further information.

APPLICABLE STANDARD				
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⁾

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUAL AND WITH MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	x	x
MARKING	CONFIRM VISUALLY.		x	x
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.	x	-
INSULATION RESISTANCE [EIA-364-21]	100 V DC.	100 MΩ MIN.	x	-
VOLTAGE PROOF [EIA-364-20]	150 V AC FOR 1 MINUTE.	NO FLASHOVER OR BREAKDOWN.	x	x
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.	x	-
MECHANICAL OPERATION [EIA-364-09]	20 TIMES INSERTIONS AND EXTRACTION.	① CONTACT RESISTANCE CHANGE: 20 mΩ OR LESS ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-
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.	x	-
SHOCK [EIA-364-27]	490 m/s ² , DURATION OF PULSE: 11 ms 3 EACH DIRECTION, 3 AXIS.		x	-
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.	x	-
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.		x	-
DRY HEAT [EIA-364-17]	EXPOSED AT 105 °C, 1000 hr.		x	-
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.	x	-

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.	APPROVED	MK. EZAKI	14. 03. 12
	CHECKED	MK. EZAKI	14. 03. 12
	DESIGNED	TS. OSHIDA	14. 03. 12
	DRAWN	TS. OSHIDA	14. 03. 12

Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC4-355706-01

HRS	SPECIFICATION SHEET	PART NO.	FX10-144IP-44Q-8PH (03)
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL608-0010-4-03 △ 1/1