APPLICABLE STANDARD

RATING	OPERATING TEMPERATURE RANGE	-55 ℃　TO　85 ℃	STORAGE TEMPERATURE RANGE	-10 ℃　TO　60 ℃ [3]
	VOLTAGE	100 V　AC	OPERATING HUMIDITY RANGE	40 % TO 80 %
	CURRENT	0.4 A	STORAGE HUMIDITY RANGE	40 % TO 70 % [3]

SPECIFICATIONS

ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING		CONFIRMED VISUALLY.		×	×
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).	80 mΩ MAX. [1]	×	—
CONTACT RESISTANCE	MILLIVOLT LEVEL METHOD	20 mV MAX,　　1　mA(DC OR 1000Hz)	100 mΩ　MAX. [2]	×	—
INSULATION RESISTANCE		250 V DC.	100 MΩ MIN.	×	—
VOLTAGE PROOF		300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	—
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 100 mΩ MAX. [2] ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
VIBRATION		FREQUENCY　10 TO　55 Hz, AMPLITUDE : 1.5 mm, AT 2 h　FOR 3 DIRECTION.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 100 mΩ MAX. [2] ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SHOCK		490 m/s², 　DURATION OF PULSE　11 ms AT　3　TIMES　FOR　3　DIRECTIONS.	① CONTACT RESISTANCE: 100 mΩ MAX. [2] ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
ENVIRONMENTAL CHARACTERISTICS					
CORROSION SALT MIST		EXPOSED IN　5　% SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 100 mΩ MAX. [2] ② NO HEAVY CORROSION.	×	—
HYDROGEN SULPHIDE		EXPOSED IN　3 PPM FOR　96 h. (TEST STANDARD: JEIDA-38)	① CONTACT RESISTANCE: 100 mΩ MAX. [2] ② INSULATION RESISTANCE: 100 MΩ MIN.	×	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-55→+15～+35→+85→+15←+35℃ TIME　　30　→　2～3　→　30　→　2～3　min UNDER　5　CYCLES.	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
DAMP HEAT (STEADY STATE)		EXPOSED AT　　40±2 ℃,　　90　～　95 %,　96　h.	① CONTACT RESISTANCE: 100 mΩ MAX. [2] ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SOLDERING HEAT	RESISTANCE TO	1) REFLOW SOLDERING : 250 ℃ MAX, : 220 ℃ MIN, FOR　60　s 2) SOLDERING IRONS : 360 ℃, FOR　5　s	NO DEFORMATION OF CASE OF EXCESSIVE　LOOSENESS OF THE TERMINALS.	×	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 240　±　3 ℃, FOR IMMERSION DURATION,　3　s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	×	—

REMARK

(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.

(3)THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.

Unless otherwise specified, refer to JIS C 5402.

Note　QT:Qualification Test　AT:Assurance Test X:Applicable Test

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE

		DESIGNED	DRAWN	SY.KAMIGA	05.11.08
		DESIGNED	KY.NAKAMURA		05.11.08
		CHECKED	HS.OZAWA		05.11.08
		APPROVED	HS.OKAWA		05.11.09

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

DRAWING NO.	CODE NO.	PART NO.
ELC4-150822-25	CL578-0503-4-71	FX8C-80P-SV (71)

HRS

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FORM HD0011-2-1