

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				

<b>APPLICABLE STANDARD</b>			
<b>RATING</b>	OPERATING TEMPERATURE RANGE	-30°C TO 75°C	STORAGE TEMPERATURE RANGE
	VOLTAGE	5V AC	OPERATING HUMIDITY RANGE
	CURRENT	1A	APPLICABLE CABLE

<b>SPECIFICATIONS</b>			
ITEM	TEST METHOD	REQUIREMENTS	QT AT

<b>CONSTRUCTION</b>			
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○ ○
MARKING	CONFIRMED VISUALLY.		○ ○

<b>ELECTRIC CHARACTERISTICS</b>			
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).		○ ○
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX, 100 mA(DC OR 1000 Hz).	50 mΩ MAX.	○ —
INSULATION RESISTANCE	100 V DC	100 MΩ MIN.	○ ○
VOLTAGE PROOF	100 V AC FOR 1min.	NO FLASHOVER OR BREAKDOWN	○ ○
CAPASITANCE	MEASURE ADJACENT TWO CONTACTS AT 1000±10Hz AC VOLTAGE.	2 pF MAX	○ —

<b>MECHANICAL CHARACTERISTICS</b>			
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 35 N MAX. EXTRACTION FORCE 7 N MIN.	○ —
MECHANICAL OPERATION	5000 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 70 mΩ MAX. ② EXTRACTION FORCE 3 N MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○ —
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○ —
RANDOM VIBRATION	FREQUENCY 50 TO 2000 Hz, AT 15 min, FOR 3 DIRECTIONS.		○ —
SHOCK	490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3TIMES FOR 6 DIRECTION. HALF SINE WAVE.		○ —

<b>ENVIRONMENTAL CHARACTERISTICS</b>			
THERMAL SHOCK	TEMPERATURE -55→ 20~35→ 85→ 20~35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 10 CYCLES,	① CONTACT RESISTANCE: 70 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○ —
HUMIDITY LIFE	TEMPERATURE -10~65 °C, HUMIDITY 90 TO 98 %, UNDER 7 CYCLES (168 h)	① INSULATION RESISTANCE: 10 MΩ MIN.(AT DRY) ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○ —
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h. (JIS C 5402)	① CONTACT RESISTANCE: 70 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○ —
SOLDERABILITY	SOLDERED AT TEMP.245°C FOR IN IMMERSION,DURATION,2~3 S.	SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMersed.	○ —

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	H. Tanaka	H. Tanaka	M. Nakamura		
Unless otherwise specified, refer to USB2.0 EIA364.					

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

<b>HS</b> HIROSE ELECTRIC CO., LTD.	<b>SPECIFICATION SHEET</b>	PART NO.
CODE NO.(OLD)	DRAWING NO.	UX60RA-MB-5ST
	ELC4-124218	CL240-0007-5
		1/1

