

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

APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE	-30°C TO 75°C	STORAGE TEMPERATURE RANGE	- 40 °C TO 85 °C
RATING	VOLTAGE	5V AC		STORAGE HUMIDITY RANGE	20 % TO 90 %
	CURRENT	1A			

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	<input type="radio"/>	<input type="radio"/>
MARKING	CONFIRMED VISUALLY.		<input type="radio"/>	<input type="radio"/>

ELECTRIC CHARACTERISTICS

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

MECHANICAL CHARACTERISTICS

INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 35 N MAX. EXTRACTION FORCE 7 N MIN.	<input type="radio"/>	<input type="radio"/>
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.	<input type="radio"/>	<input type="radio"/>
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.	<input type="radio"/>	<input type="radio"/>
RANDOM VIBRATION	FREQUENCY 50 TO 2000 Hz, AT 15 min, FOR 3 DIRECTIONS.		<input type="radio"/>	<input type="radio"/>
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3TIMES FOR 6 DIRECTION. HALF SINE WAVE.		<input type="radio"/>	<input type="radio"/>

ENVIRONMENTAL CHARACTERISTICS

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.	<input type="radio"/>	<input type="radio"/>
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.	<input type="radio"/>	<input type="radio"/>
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.	<input type="radio"/>	<input type="radio"/>

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	This product standard table is a standard at the combination with our company acceptable connector , and it depends on individual meeting for the combination with the other companies product.	<i>J. Miura</i> 05.05.07	<i>J. Miura</i> 05.05.07	<i>M. Nakamura</i> 05.05.07	<i>[Signature]</i> 05.05.07

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

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. UX20-MB-5P
CODE NO.(OLD)	DRAWING NO. ELC4-124614	CODE NO. CL240-0009-0
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