

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					
△						△					
APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURE RANGE		-40 °C ~ -70 °C			STORAGE TEMPERATURE RANGE		-50 °C ~ +85 °C			
	VOLTAGE		50 V AC or DC			OPERATING HUMIDITY RANGE		85%RH MAX			
	CURRENT		0.5A (1A ACCEPTABLE FOR ANY 2 CONTACTS)			APPLICABLE CABLE		JACKET DIAMETER : φ 4 MAX INSULATION : φ 0.6MAX (AWG30)			
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)				70 mΩ MAX				○	—
INSULATION RESISTANCE		100 V DC				1000 MΩ MIN				○	—
VOLTAGE PROOF		250 V AC FOR 1 min				NO FLASHOVER OR BREAKDOWN				○	○
MECHANICAL CHARACTERISTICS											
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.				INSERTION FORCE: 4~10 N (INITIAL) EXTRACTION FORCE: 4~10 N (INITIAL)				○	—
MECHANICAL OPERATION		5000 TIMES INSERTIONS AND EXTRACTIONS.				① AMOUNT OF CHANGE OF CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				○	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, OR 98 m/s <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.				① AMOUNT OF CHANGE OF CONTACT RESISTANCE: 20 mΩ MAX. ② NO ELECTRICAL DISCONTINUITY OF 1 μs.				○	—
SHOCK		490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				○	—
ENVIRONMENTAL CHARACTERISTICS											
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 15~35 → 85 → 15~35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 10 CYCLES.				① AMOUNT OF CHANGE OF CONTACT RESISTANCE: 20 mΩ MAX. ② INSULATION RESISTANCE: 10MΩ MIN. ③ NO FLASHOVER OR BREAKDOWN ④ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				○	—
DAMP HEAT (STEADY STATE)		EXPOSED AT +40 °C, 90~95 %, 96 h.								○	—
DRY HEAT		EXPOSED AT +85 °C, 96 h.								○	—
COLD		EXPOSED AT -40 °C, 96 h.								○	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER, 35°C, FOR 48h.				NO HEAVY CORROSION.				○	—
OTHER CHARACTERISTICS											
SOLDERABILITY		SOLERRING POINT OF CONTACTS IMMERSION IN SOLDER BATH OF 245±3°C, 2~3 sec.				MIN. 90% OF SOLDER IMMERSSED AREA SHALL BE COVERED NEW SOLDER COATING.				○	—
RESISTANCE TO SOLDERING HEAT		SOLDERING IRON TEMPERATURE: 350±10°C FOR 5±1s				NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				○	—
REMARKS						DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
Unless otherwise specified, refer to JIS C 5402.						<i>S. Shimizu</i> '05.12.15	<i>S. Shimizu</i> '05.12.15	<i>S. Matuyoshi</i> 05.12.15	<i>S. Matuyoshi</i> 05.12.15		
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test											
<b>HS</b> HIROSE ELECTRIC CO., LTD.						SPECIFICATION SHEET			PART NO. L X 4 0 - 1 2 P		
CODE NO.(OLD) CL			DRAWING NO. E L C 4 - 1 2 5 4 7 1			CODE NO. C L 2 4 5 - 0 0 1 9 - 6			1 1		