

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	−40°C TO 70°C	STORAGE TEMPERATURE RANGE	−50°C TO 85°C	
	VOLTAGE	50 VAC or DC	OPERATING HUMIDITY RANGE	85%RH MAX	
	CURRENT	0.5 A (1A ACCEPTABLE FOR ANY 2 CONTACTS)	APPLICABLE CABLE	JACKET DIAMETER : ϕ4.5 MAX INSULATION : ϕ0.6MAX (AWG30)	
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING		CONFIRMED VISUALLY.		X	X
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		100 mA MAX (DC OR 1000 Hz).	70 mΩ MAX.	X	—
INSULATION RESISTANCE		100 V DC.	1000 MΩ MIN.	X	—
VOLTAGE PROOF		250 V AC FOR 1 min	NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE : 4~10N (INITIAL) EXTRACTION FORCE : 4~10N (INITIAL)	X	—
MECHANICAL OPERATION		5000 TIMES INSERTIONS AND EXTRACTIONS.	① AMOUNT OF CHANGE OF CONTACT RESISTANCE:20mΩMAX.CHANGE ② NO DAMAGE,CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, 98 m/s ² AT 2h FOR 3 DIRECTIONS.	① AMOUNT OF CHANGE OF CONTACT RESISTANCE:20mΩMAX.	X	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	② NO ELECTRICAL DISCONTINUITY OF 1μs. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90~95 %, 96 h	① AMOUNT OF CHANGE OF CONTACT RESISTANCE:20mΩMAX.CHANGE ② INSULATION RESISTANCE: 10 MΩ MIN. ③ NO FLASHOVER OR BREAKDOWN ④ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
DRY HEAT		EXPOSED AT 85 °C, 96 h		X	—
COLD		EXPOSED AT −40 °C, 96 h			
RAPID CHANGE OF TEMPERATURE		TEMPERATURE −55 →15 TO 35→85→15 TO 35 °C TIME 30 →2 TO 3 →30→2 TO 3 min. UNDER 10 CYCLES.		X	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER, 35°C, FOR 48 h	NO HEAVY CORROSION	X	—
OTHER CHARACTERISTICS					
SOLDERABILITY		SOLDERING PPOINT OF CONTACTS IMMERSION IN SOLDER BATH OF 245±3 °C, 2~3 sec.	90% MIN OF SOLDER IMMERSSED AREA SHALL BE COVERED NEW SOLDER COATING.	X	—
RESISTANCE TO SOLDERING HEAT		SOLDERING IRON TEMPERATURE 350 ±10°C FOR 5±1 sec	NO DAMAGE, CRACK AND LOOSENESS, OF PART.	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK			APPROVED	RI. TAKAYASU	12. 01. 11
			CHECKED	TA. ASO	12. 01. 11
			DESIGNED	KO. KAWAMURA	12. 01. 11
			DRAWN	KO. KAWAMURA	12. 01. 11
Unless otherwise specified, refer to JIS C 5402.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-124883-01	
HRS	SPECIFICATION SHEET		PART NO.	LX40-16P (02)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL245-0002-3-02	△ 1/1