

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	RE-F-06478	JM	md	99.7.29					

APPLICATION STANDARD		OPERATING TEMPERATURE RANGE	STORAGE TEMPERATURE RANGE
		-55 °C TO 85 °C	-10 °C TO 60 °C

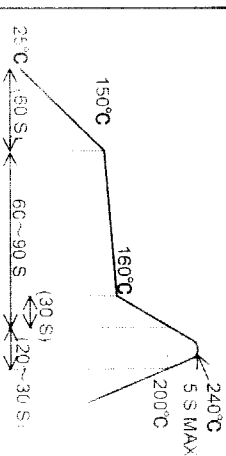
RATING		OPERATING TEMPERATURE RANGE	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY (NO DEW CONDENSATION IS PERMITTED)
		AC 50 V		95 % MAX
		0.3 A		

ITEM	TEST METHOD	REQUIREMENT	Q/T	A/T
CONSTRUCTION	VISUALLY AND BY MEASURING INSTRUMENT	ACCORDING TO DRAWING		
GENERAL EXAMINATION	CONFIRMED VISUALLY.			
ELECTRICAL CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz)	60 mΩ MAX		
INSULATION RESISTANCE	100 V DC	100 MΩ MIN		
VOLTAGE PROOF	150 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN		

MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	MEASURED BY APPLICABLE CONNECTOR WITHDRAWAL FORCES	INSERTION FORCE: 69.6 N MAX WITHDRAWAL FORCE: 2.9 N MIN		
	50 TIMES INSERTION AND EXTRACTIONS.	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.		
VIBRATION	FREQUENCY: 10 TO 55 Hz SINGLE AMPLITUDE: 0.75 mm. m/s ² AT 10 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF PART. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.		
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART.		

ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90~95 %, 96 h	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART.		
TEMPERATURE	TEMPERATURE: -55→-15→35→85→15→35°C TIME: 30→2~3→30→2~3 min. UNDER 5 CYCLES.			
DRY HEAT	EXPOSED AT 85 °C, 96 h	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.		
COLD	EXPOSED AT -55 °C, 96 h			
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h	NO HEAVY CORROSION.		
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h (TEST STANDARD: JIS C 0090)	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO HEAVY CORROSION.		

RESISTANCE TO SOLDERING HEAT				
REMARKS	REFLOW: RECOMMENDED TEMPERATURE PROFILE	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.		



SOLDERABILITY		TO BE TESTED UNDER THE ABOVE CONDITIONS <th>NO PINHOLE OR DEWETTING ON SOLDERED SURFACE</th>	NO PINHOLE OR DEWETTING ON SOLDERED SURFACE
		SOLDERED AT SOLDER TEMPERATURE: 235 °C FOR IMMERSION DURATION: 2 s	

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.	S.Kitajima 99.05.25	J. Matsukawa 99.05.25	Mishida 99.05.26	Y.Yoshimura 99.05.27	

NOTE	Q/T	QUALIFICATION TEST	A/T	ASSURANCE TEST	O	APPLICABLE TEST

SPECIFICATION SHEET		PART NO
HRS HIROSE ELECTRIC CO. LTD		FX11LB - 116P - SV

CODE NO (OLD)	DRAWING NO	CONC NO	CL
CL	ELC4 - 152106 -		CL 573 - 0054 - 0

TO
PCK

