

APPLICABLE STANDARD				STORAGE TEMPERATURE RANGE		-10 °C TO 60 °C <sup>(2)</sup>	
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>(1)</sup>		INSIDE 2 ROWS	OPERATING HUMIDITY RANGE	40 % TO 80 %	
	VOLTAGE	125 V AC	INSIDE 2 ROWS 250V AC	INSIDE 2 ROWS 1A	STORAGE HUMIDITY RANGE	40 % TO 70 % <sup>(2)</sup>	
	CURRENT	0.5 A					
<b>SPECIFICATIONS</b>							
ITEM	TEST METHOD		REQUIREMENTS			QT	AT
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.			
GENERAL EXAMINATION		CONFIRMED VISUALLY.					
MARKING							
<b>ELECTRIC CHARACTERISTICS</b>							
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).	60 mΩ MAX.		X	—	
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX, 1 mA(DC OR 1000Hz)	60 mΩ MAX.		X	—	
INSULATION RESISTANCE		250 V DC.	1000 MΩ MIN.		X	—	
VOLTAGE PROOF		300 V AC FOR 1 min. (INSIDE 2 ROW:600 V AC)	NO FLASHOVER OR BREAKDOWN.		X	—	
<b>MECHANICAL CHARACTERISTICS</b>							
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRactions.		① CONTACT RESISTANCE: 70 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
VIBRATION		FREQUENCY 10 TO 55 Hz. AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTION.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
SHOCK		490 ms <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				X	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>							
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.		①CONTACT RESISTANCE: 70 mΩ MAX. ②INSULATION RESISTANCE: 1000 MΩ MIN.		X	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE:-55→+15~+35→+85→+15~+35°C TIME 30 → 10~15 → 30 → 10~15 min UNDER 5 CYCLES.		③NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		①CONTACT RESISTANCE: 70 mΩ MAX. ②NO HEAVY CORROSION.		X	—
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)				X	—
RESISTANCE TO SOLDERING HEAT		1) SOLDER BATH:SOLDER TEMPERATURE: 260±5°C FOR IMMERSION,DURATION,10±1s. 2) SOLDERING IRONS : 360°C FOR 5 s.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.		X	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE 240±3°C FOR IMMERSION DURATION, 2s.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.		X	—
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED		DATE	
△							
REMARK <sup>(1)</sup> TEMPERATURE RISE INCLUDED WHEN ENERGIZED <sup>(2)</sup> THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.							
Unless otherwise specified, refer to MIL-STD-1344.		DRAWING NO.		ELC4-083043-21			
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		APPROVED		HS. OKAWA		09.03.16	
		CHECKED		HT. YAMAGUCHI		09.03.16	
		DESIGNED		SY. KAMIIGA		09.03.16	
		DRAWN		HK. SUWADORI		09.03.16	
HRS		SPECIFICATION SHEET		PART NO. FX1-144P-1.27DSL (71)			
HIROSE ELECTRIC CO., LTD.		CODE NO. CL571-0253-4-71		△		1/1	