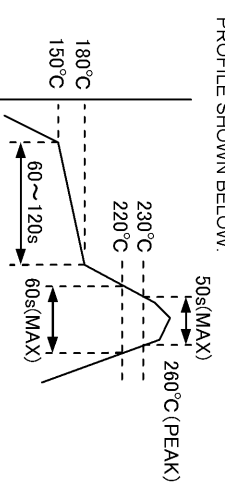


In case of consideration for using Automotive equipment/device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE		STORAGE TEMPERATURE RANGE	
		-55 °C TO 85 °C (1)(2)		-10 °C TO 60 °C (3)	
RATING		OPERATING HUMIDITY RANGE		STORAGE HUMIDITY RANGE	
		RH 85 % MAX (2)(4)		RH 70 % MAX (3)(4)	
VOLTAGE		60 V AC		CURRENT	
				0.5 A	
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS		QT	AT
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	
GENERAL EXAMINATION		CONFIRMED VISUALLY.		X X	
MARKING				X X	
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		20 mV MAX, 1 mA(DC OR 1000Hz)		80 mΩ MAX (5)	
INSULATION RESISTANCE		100 V DC.		500 MΩ MIN.	
VOLTAGE PROOF		200 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR		INSERTION FORCE: 25.5 N MAX WITHDRAWAL FORCE: 2.55 N MIN.	
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTATIONS.		① CONTACT RESISTANCE: NO VARIATION OF 20 mΩ OR MORE FROM INITIAL VALUE. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGL AMPITUDE : 0.75 mm, FOR 2 h IN 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	
SHOCK		490 m/s ² , DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.		X	
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: NO VARIATION OF 20 mΩ OR MORE FROM INITIAL VALUE.	
DRY HEAT		EXPOSED AT 85±2 °C, 96 h.		② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → +5~+35 → +85 → +5~+35 °C TIME 30 → 5 MAX → 30 → 5 MAX min. UNDER 5 CYCLES.		X	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: NO VARIATION OF 20 mΩ OR MORE FROM INITIAL VALUE.	
SULFUR DIOXIDE		EXPOSED IN 25 PPM FOR 96 h. (TEST STANDARD: JIS C 60068)		② NO DERECTION SUCH AS CORROSION WHICH IMPAIRS THE FUNCTION OF CONNECTOR. ③ NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.	
RESISTANCE TO SOLDERING HEAT		① REFLOW SOLDERING: REFLOW 2 TIMES UNDER THE TEMPERATURE PROFILE SHOWN BELOW. 		X	
SOLDERABILITY		② SOLDERING IRONS : 360°C MAX. FOR 5 sec. SOLDERED AT SOLDER TEMPERATURE 240±3°C FOR IMMERSION DURATION, 3 sec.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSERD.	
COUNT		DESCRIPTION OF REVISIONS		DESIGNED	
REMARKS				CHECKED	
				APPROVED	
				CHECKED	
				DESIGNED	
				DRAWN	
				DATE	
				10. 04. 20	
				10. 04. 20	
				10. 04. 19	
				10. 04. 19	
Note QT: Qualification Test AT: Assurance Test X: Applicable Test					
DRAWING NO.		DRAWING NO.		ELC4-330633-00	
SPECIFICATION SHEET		PART NO.		FX16M2-51S-0.5SH	
HIROSE ELECTRIC CO., LTD.		CODE NO.		GL575-3004-1-00	
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