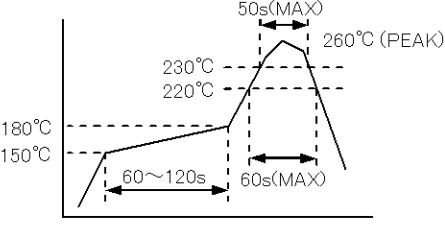


APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>(1)</sup>		STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>	
	VOLTAGE	100 V AC		OPERATING HUMIDITY RANGE	40 % TO 80 %	
	CURRENT	0.5 A		STORAGE HUMIDITY RANGE	40 % TO 70 % <sup>(2)</sup>	
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS	QT AT	
CONSTRUCTION						
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	×	
MARKING		CONFIRMED VISUALLY.			×	
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE		20 mV MAX, 1 mA(DC OR 1000Hz)		60 mΩ MAX. <sup>(3)</sup>	×	
INSULATION RESISTANCE		100 V DC.		500 MΩ MIN.	×	
VOLTAGE PROOF		300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	×	
MECHANICAL CHARACTERISTICS						
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE: 30 N MAX. WITHDRAWAL FORCE: 2 N MIN.	×	
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 80 mΩ MAX. <sup>(3)</sup> ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGL AMPLITUDE : 0.76 mm, FOR 2 hrs IN 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	
SHOCK		490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.			×	
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 hrs.		① CONTACT RESISTANCE: 80 mΩ MAX. <sup>(3)</sup> ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	
DRY HEAT		EXPOSED AT 85 ± 2 °C, 96 hrs			×	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → +5 ~ +35 → +85 → +5 ~ +35 °C TIME 30 → 5 MAX → 30 → 5 MAX min. 5 CYCLES.			×	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 hrs.		① CONTACT RESISTANCE: 80 mΩ MAX. <sup>(3)</sup> ② NO HEAVY CORROSION.	×	
SULFUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 hrs. (TEST STANDARD: JIS-C-0090)			×	
RESISTANCE TO SOLDERING HEAT		1) REFLOW SOLDERING : REFLOW 2 TIMES UNDER THE TEMPERATURE PROFILE SHOWN BELOW.  2) SOLDERING IRONS : 360 °C MAX. FOR 5 sec.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.		×
SOLDERABILITY		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 IMMersed.	×	
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE	
△						
REMARKS <sup>(1)</sup> INCLUDE TEMPRERATURE RISE CAUSED BY CURRENT-CARRYING. <sup>(2)</sup> "STORAGE" MEANS A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE ASSEMBLY TO PCB. <sup>(3)</sup> INCLUDE CONDUCTOR RESISTANCE OF CABLE IN CASE THE MATED CONNECTOR IS CABLE TYPE.(L=12mm) Unless otherwise specified, refer to JIS-C-5402.			APPROVED	HS. OKAWA	06.05.15	
			CHECKED	HT. YAMAGUCHI	06.05.13	
			DESIGNED	TH. NODA	06.05.12	
			DRAWN	TH. NODA	06.05.12	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-155941-00	
HRS		SPECIFICATION SHEET		PART NO.	FX15M-21S-0.5SH	
HIROSE ELECTRIC CO., LTD.		CODE NO.		CL575-2309-3-00	△ 1/1	