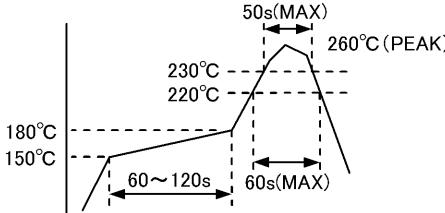


APPLICABLE STANDARD		SPECIFICATIONS			
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾	
	VOLTAGE	100 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %	
	CURRENT	0.5 A	STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾	
CONSTRUCTION		TEST METHOD		REQUIREMENTS	QT AT
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MARKING	CONFIRMED VISUALLY.			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	20 mV MAX, 1 mA(DC OR 1000Hz)	60 mΩ MAX. ⁽³⁾		<input checked="" type="checkbox"/>	
INSULATION RESISTANCE	100 V DC.	500 MΩ MIN.		<input checked="" type="checkbox"/>	
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.		<input checked="" type="checkbox"/>	
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 24.6 N MAX. WITHDRAWAL FORCE: 2.05 N MIN.		<input checked="" type="checkbox"/>	
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	⁽¹⁾ CONTACT RESISTANCE: 80 mΩ MAX. ⁽²⁾ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/>	
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGL AMPLITUDE : 0.75 mm, FOR 2 h IN 3 DIRECTIONS.	⁽¹⁾ NO ELECTRICAL DISCONTINUITY OF 1 μs. ⁽²⁾ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/>	
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.	⁽¹⁾ NO ELECTRICAL DISCONTINUITY OF 1 μs. ⁽²⁾ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/>	
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.	⁽¹⁾ CONTACT RESISTANCE: 80 mΩ MAX. ⁽²⁾ INSULATION RESISTANCE: 500 MΩ MIN. ⁽³⁾ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/>	
DRY HEAT	EXPOSED AT 85±2 °C, 96 h			<input checked="" type="checkbox"/>	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→+5~+35→+85→+5~+35°C TIME 30→ 5 MAX→ 30→ 5 MAX min. UNDER 5 CYCLES.			<input checked="" type="checkbox"/>	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	⁽¹⁾ CONTACT RESISTANCE: 80 mΩ MAX. ⁽²⁾ NO HEAVY CORROSION.		<input checked="" type="checkbox"/>	
SULFUR DIOXIDE	EXPOSED IN 25 PPM FOR 96 h. (TEST STANDARD: JIS C 60068)	⁽¹⁾ CONTACT RESISTANCE: 80 mΩ MAX. ⁽²⁾ NO HEAVY CORROSION.		<input checked="" type="checkbox"/>	
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.		<input checked="" type="checkbox"/>	
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.		<input checked="" type="checkbox"/>	
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
					
REMARKS ⁽¹⁾ INCLUDE TEMPERATURE RISE CAUSED BY CURRENT-CARRYING. ⁽²⁾ "STORAGE" MEANS A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE ASSEMBLY TO PCB. ⁽³⁾ INCLUDE CONDUCTOR RESISTANCE OF CABLE IN CASE THE MATED CONNECTOR IS CABLE TYPE.(L=12mm)			APPROVED	HS. OKAWA	07.07.26
			CHECKED	EJ. WAKATSUKI	07.07.26
			DESIGNED	TH. NODA	07.07.25
			DRAWN	TH. NODA	07.07.25
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-156703-00
	SPECIFICATION SHEET		PART NO.	FX15SC-41S-0.5SH	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL575-2310-2-00	 1/1