

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
APPLICATION STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C			STORAGE TEMPERATURE RANGE	--- °C TO --- °C			
	VOLTAGE	125 V AC			OPERATING HUMIDITY RANGE	--- % TO --- %			
	CURRENT	0.5 A			APPLICABLE CABLE	AWG# 2 8			
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENT			QT/AT	
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING			○ ○	
MARKING		CONFIRMED VISUALLY						○ ○	
ELECTRICAL CHARACTERISTICS									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz)			45 mΩ MAX.			○ -	
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX, 1 mA (DC OR 1000 Hz)			55 mΩ MAX.			○ -	
INSULATION RESISTANCE		250 V DC			100 MΩ MIN.			○ -	
VOLTAGE PROOF		300 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN			○ -	
MECHANICAL CHARACTERISTICS									
CONTACT INSERTION AND EXTRACTION FORCES		BY STEEL GAUGE.			INSERTION FORCE: N MAX. EXTRACTION FORCE: N MIN.			- -	
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR. (IN THE UNLOCKED STATE)			INSERTION FORCE: 35 N MAX. WITHDRAWAL FORCE: 3.9 N MIN.			○ -	
MECHANICAL OPERATION		500 TIMES INSERTION AND EXTRACTIONS.			1) CONTACT RESISTANCE: 55 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			○ -	
VIBRATION		FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.76 mm, - m/s ² FOR 2 h IN 3 DIRECTIONS.			1) NO ELECTRICAL DISCONTINUITY OF 1 μs 2) CONTACT RESISTANCE: -- mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART.			○ -	
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.						○ -	
ENVIRONMENTAL CHARACTERISTICS									
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C. 90~95 %, 96 h.			1) CONTACT RESISTANCE: 55 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN.			○ -	
RAPID CHAGE OF TEMPERTURE		TEMPERTURE-55→15~35→85→15~35°C TIME 30→10~15→30→10~15 min. UNDER 5 CYCLES.			3) NO DAMAGE, CRACK AND LOOSENESS OF PART.			○ -	
DAMP HEAT,CYCLIC		EXPOSED AT TO °C, TO °C, %,TOTAL CYCLES(h).			1) CONTACT RESISTANCE: mΩ MAX. 2) INSULATION RESISTANCE: MΩ MIN.(AT HIGH HUMIDITY) 3) INSULATION RESISTANCE: MΩ MIN.(AT DRY) 4) NO DAMAGE, CRACK AND LOOSENESS OF PART.			- -	
DRY HEAT		EXPOSED AT °C, h.			1) CONTACT RESISTANCE: mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			- -	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			1) CONTACT RESISTANCE: 55 mΩ MAX. 2) NO HEAVY CORROSION.			○ -	
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD:JEIDA-38)						○ -	
SULPHUR DIOXIDE		EXPOSED IN PPM FOR h. (TEST STANDARD:JEIDA-39)						- -	
RESISTANCE TO SOLDERING HEAT SOLDERABILITY		SOLDER TEMPERATURE, FOR IMMERSION,DURATION, s.(MIL-STD-202) SOLDERED AT SOLDER TEMPERATURE, °C FOR IMMERSION DURATION, s.(MIL STD_202)			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL. A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.			- -	
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
					J. Takada	J. Takada	H. Okawa	M. Yamaguchi	
UNLESS OTHERWISE SPECIFIED, REFER TO MIL-STD-1344.					97.5.9	97.5.9	97.05.09	97.05.09	
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST ○: APPLICABLE TEST									
PART NO.									
FX2B-40SA-1.27R									
CODE NO.(OLD)		DRAWING NO.			CODE NO.			1	
CL		ELC4- 150612			CL 572 - 0623 - 8			1	