

Δ COUNT		REVISIONS		BY	CHKD	DATE	Δ COUNT		REVISIONS		BY	CHKD	DATE
Δ							Δ						
Δ							Δ						

  

APPLICABLE STANDARD			
RATING	VOLTAGE	CONTACT No. / ~ *	AC 250 V DC V
	CURRENT	CONTACT No. / ~ *	3 A
	POWER		
	SPECIALTY		
APPLICABLE CABLES			
IMPEDANCE FREQUENCY RANGE		Ω (0 ~ Hz)	
OPERATING TEMPERATURE RANGE		- 35 °C ~ +85 °C (Notes:1)	

  

### S.P E C I F I C A T I O N S

No.	ITEM	CONDITIONS	TEST STANDARD	MIN	MAX	UNITS	QT.	AT
1	DESIGN-MATERIAL-FINISH	ADC Applicable std. and 3-160094-02		—	—	—	○	○
2	MARKING			—	—	—	○	○
3	INSULATION RESISTANCE	Must be over standard value at DC 500V.	MIL-STD-1344	1000	—	MΩ	○	—
4	CONTACT RESISTANCE	The voltage drop must be under the Std. value at DC 0.1 A.	MIL-STD-1344	—	30	mΩ	○	—
	UNIT CONTACT	The voltage drop must be under the Std. value at DC A.		—	—	mΩ	—	—
5	DIELECTRIC WITHSTANDING VOLTAGE	Must withstand AC 650V for one minute.	MIL-STD-1344	—	—	—	○	—
6	LOW LEVEL CIRCUIT	The Contact Resistance must be under the Std. value at DC20mV less and mA.		—	—	mΩ	—	—
7	DRY CIRCUIT	Must have conductivity in alternate current at DC μV.		—	—	—	—	—
8	CONTACT ENGAGEMENT AND SEPARATION FORCES	Must be suitable for the Std. value at applicable gauge.		—	—	gf	—	—
	MATING AND UNMATING FORCES	Must be suitable for the Std. value.		—	—	kgf	—	—
9	HUMIDITY	Insulation resistance must be over the Std. value at 40±2°C 90 ~ 95 % 96 hours. at high humidity after high humidity	MIL-STD-1344	1000	—	MΩ	○	—
10	VIBRATION	Must have no damage, crack and looseness of parts at Frequency range 10 ~ 55 Hz, amplitude 0.75mm, —G at 2 hours for 3 directions.	MIL-STD-1344	—	—	—	○	—
11	SHOCK	Must have no damage, crack and looseness of parts after 3 cycles at 490m/s <sup>2</sup> in 3 directions.	MIL-STD-1344	—	—	—	○	—
12	TEMPERATURE CYCLING	Must have no damage, crack and looseness of parts for -55 ~ +85°C 5 cycles.	MIL-STD-1344	—	—	—	○	—
13	DURABILITY UNIT CONTACT	Must be less than the Std. value after 30 insertion and extraction cycles at the condition described in above item No.4.	MIL-STD-1344	—	30	mΩ	○	—
	CONTACT			—	—	mΩ	—	—
14	SALT SPRAY (CORROSION).	Must not have heavy corrosion after salt water spray for hours.		—	—	—	—	—
15	H <sub>2</sub> S-EXPOSURE	Must not have heavy corrosion after ppm for hours.		—	—	—	—	—
16	SO <sub>2</sub> -EXPOSURE	Must not have heavy corrosion after ppm for hours.		—	—	—	—	—

  

Notes:1  
This temperature includes a rise by heat's generation of connector when electricity passes.

  

REMARKS	APPROVED	H. Yamamoto	94.3.25	ISSUED BY	
	REVIEWED				
	CHECKED	J. Oma	94.3.25		
	DESIGNED	M. Gotoh	94.3.24		
	DRAWN	M. Gotoh	94.3.24		
DRAWING No.		SPECIFICATION SHEET		PART No.	
SLC4-160094-02				DF1B-DES-2.5RC	
				CODE No. 0346 1	
				CL 541-0362-8-	

  

NOTE QT:Qualification Test AT:Assurance Test O:Applicable item FORM No.

TO