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

COUNT		REVISIONS		BY	CHKD	DATE	COUNT		REVISIONS		BY	CHKD	DATE
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△						.	△						.

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

SPECIFICATIONS

No.	ITEM	CONDITIONS	TEST STANDARD	MIN	MAX	UNITS	QT.	AT
1	DESIGN-MATERIAL-FINISH	ADC		—	—	—	○	○
2	MARKING	Applicable Std. and DC 3-160093-02		—	—	—	○	○
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.				kof	—	—
9	HUMIDITY	Insulation resistance must be over the Std. value at 40±2 °C 90 ~ 95 %, 96 hours.	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 490 m/s ² 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	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	○	—
	UNIT CONTACT			—		mΩ	—	—
14	SALT SPRAY (CORROSION).	Must not have heavy corrosion after X salt water spray for hours.		—	—	—	—	—
15	H ₂ S-EXPOSURE	Must not have heavy corrosion after ppm for hours.		—	—	—	—	—
16	SO ₂ -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	<i>U. Yamamoto</i>	'94.3.25	ISSUED BY
	REVIEWED		.	
	CHECKED	<i>T. Oma</i>	'94.3.25	
	DESIGNED	<i>M. Jotoh</i>	'94.3.24	
	DRAWN	<i>M. Jotoh</i>	'94.3.24	

DRAWING No.	SPECIFICATION SHEET	PART No.
SLC4-160093-02		DF1B- *ES-2.5RC
		CODE No. 0320 8
		CL541-0331 -4-

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

TO

