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

Δ COUNT		REVISIONS		BY	CHKD	DATE	Δ 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		
	POWER			OPERATING TEMPERATURE RANGE - 35℃ ~ +85℃ (Notes:1)		
	SPECIALTY					

SPECIFICATIONS

No.	ITEM	CONDITIONS	TEST STANDARD	MIN	MAX	UNITS	QT.	AT
1	DESIGN-MATERIAL-FINISH	ADC Applicable std. and bc3-160092-02		—	—	—	○	○
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. gauge size 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℃ 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 ² in 3 directions.	MIL-STD-1344	—	—	—	○	—
12	TEMPERATURE CYCLING	Must have no damage, crack and looseness of parts for -55 ~ +85℃ 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 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	H. J. J. 94.3.25	ISSUED BY
	REVIEWED		
	CHECKED	J. Oma 94.3.25	
	DESIGNED	M. Jotok 94.3.24	
	DRAWN	M. Jotok 94.3.24	

DRAWING No.	PART No.
SLC4-160092-02	DF1B-X-DS-2.5RC
	CODE No. 0600 4
	CL541-0650-2-

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

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