Mar.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
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
△					. .	△					. .
△					. .	△					. .

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

SPECIFICATIONS

No.	ITEM	CONDITIONS	TEST STANDARD	MIN	MAX	UNITS	QT.	AT
1	DESIGN·MATERIAL·FINISH	Applicable Std. and ~~DC~~ ADC 3-160093-02		—	—	—	O	O
2	MARKING			—	—	—	O	O
3	INSULATION RESISTANCE	Must be over standard value at DC 500V.	MIL-STD-1344	1000	—	MΩ	O	—
4	CONTACT RESISTANCE UNIT CONTACT	The voltage drop must be under the Std. value at DC 0.1 A.	MIL-STD-1344	—	30	mΩ	O	—
	CONTACT	The voltage drop must be under the Std. value at DC A.		—		mΩ	—	—
5	DIELECTRIC WITHSTANDING VOLTAGE	Must withstand ~~AC~~ DC 650V for one minute.	MIL-STD-1344	—	—	—	O	—
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. (gauge size)		—		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℃ 90~95%, 96 hours. (at high humidity)			—	MΩ	—	—
		(after high humidity)	MIL-STD-1344	1000	—	MΩ	O	—
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	—	—	—	O	—
11	SHOCK	Must have no damage, crack and looseness of parts after 3 cycles at 490 m/s² in 3 directions.	MIL-STD-1344	—	—	—	O	—
12	TEMPERATURE CYCLING	Must have no damage, crack and looseness of parts for -55~+85℃ 5 cycles.	MIL-STD-1344	—	—	—	O	—
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	O	—
	CONTACT			—		mΩ	—	—
14	SALT SPRAY (CORROSION).	Must not have heavy corrosion after ※ salt water spray for hours.		—	—	—	—	—
15	H₂S-EXPOSURE	Must not have heavy corrosion after ppm for hours.		—	—	—	—	—
16	SO₂-EXPOSURE	Must not have heavy corrosion after ppm for hours.		—	—	—	—	—

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

REMARKS				ISSUED BY
	APPROVED	H. Yamamoto	'94.3.25	
	REVIEWED		. .	
	CHECKED	T. Oma	94.3.25	HIROSE ELECTRIC CO., LTD.
	DESIGNED	M. Gotoh	'94.3.24	PART No. DF1B-※ES-2.5RC
	DRAWN	M. Gotoh	'94.3.24	

DRAWING No.		CODE No.	
SLC4-160093-02	SPECIFICATION SHEET	CL541-0320 & 0331 -4-	

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

TO