

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

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COUNT	REVISIONS	BY	CHKD	DATE	COUNT	REVISIONS	BY	CHKD	DATE

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

SPECIFICATIONS

No.	ITEM	CONDITIONS		TEST STANDARD	MIN	MAX	UNITS	QT.	AT
		ADC	ADC						
1	DESIGN-MATERIAL-FINISH	Applicable std. and dc 3-160094-.02							
2	MARKING								
3	INSULATION RESISTANCE	Must be over standard value at DC 500V.		MIL-STD-1344	1000		MΩ	○	○
4	CONTACT RESISTANCE	UNIT CONTACT		MIL-STD-1344		30	mΩ	○	○
		CONTACT					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	ONV 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.						○†	○
		Must be suitable for the Std. value.						Kgf	○
9	HUMIDITY	Insulation resistance must be over the Std. value at 40±2°C 90~95% RH after 96 hours.		MIL-STD-1344	1000		MΩ	○	○
10	VIBRATION	Must have no damage, crack and looseness of parts at Frequency range①0~55 Hz, amplitude0.75mm.—G at 2hours for 3directions.		MIL-STD-1344				○	○
		Must have no damage, crack and looseness of parts after 3 cycles at 400 1/3in 3 directions.		MIL-STD-1344					○
11	SHOCK	Must have no damage, crack and looseness of parts for -55~+85°C 5 cycles.		MIL-STD-1344				○	○
12	TEMPERATURE CYCLING			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	○	○
14	SALT SPRAY (CORROSION).	Must not have heavy corrosion after salt water spray for hours.						○	○
		Must not have heavy corrosion after salt water spray for hours.							○
15	HAS-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>H. Yamamoto</i>	94.3.25	ISSUED BY
	REVIEWED			
	CHECKED	J. Oma	94.3.25	
	DESIGNED	M. Gotoh	94.3.24	
DRAWING NO.	DRAWN		M. Gotoh	94.3.24
SPECIFICATION SHEET				
DRAWING NO.		CODE No.		
SLC4-160094-02		CL541-0346		0346 1
		PART No.		
		DH1B-DES-2.5RC		
		HIROSE ELECTRIC CO., LTD.		

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

TO

