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

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APPLICABLE STANDARD																			
RATING	VOLTAGE	CONTACT No.	AC 250 V														APPLICABLE CABLES	(Notes:2)	
	CURRENT	CONTACT No.	DC V	A														IMPEDANCE FREQUENCY RANGE	Ω (0 ~ Hz)
	POWER														OPERATING TEMPERATURE RANGE	-35 °C ~ +85 (Notes:1)			
	SPECIALTY																		

SPECIFICATIONS

No.	ITEM	CONDITIONS	TEST STANDARD	MIN	MAX	UNITS	QT	AT
1	DESIGN-MATERIAL-FINISH	ADC		-	-	-	○	○
2	MARKING	Applicable Std. and ϕ - 20210		-	-	-		
3	INSULATION RESISTANCE	Must be over standard value at DC V.			-	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 DC V for one minute.		-	-	-		
6	LOW LEVEL CIRCUIT	The Contact Resistance must be under the Std. value at DC 20mV 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 $\phi 0.635 \pm 0.002$	MIL-STD-1344	40	450	N	○	
	MATING AND UNMATING FORCES	Must be suitable for the Std. value.				N		
9	HUMIDITY	Insulation resistance must be over the Std. value at τ - X, hours.			-	MΩ		-
		at high humidity after high humidity			-	MΩ		-
10	VIBRATION	Must have no damage, crack and looseness of parts at Frequency range ~ Hz, Total amplitude mm, G at hours for directions.		-	-	-		-
11	SHOCK	Must have no damage, crack and looseness of parts after cycles at G in directions.		-	-	-		-
12	TEMPERATURE CYCLING	Must have no damage, crack and looseness of parts for ~ °C cycles.		-	-	-		-
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.
Notes:2
AWG #28 (OUTER DIAMETER $\phi 0.9 \sim 1.39$)

REMARKS	APPROVED	<i>H. Yamamoto</i>	93.2.15	ISSUED BY HR5 HIROSE ELECTRIC CO., LTD.
	REVIEWED			
	CHECKED	<i>J. Oma</i>	93.2.15	
	DESIGNED	<i>M. Gotoh</i>	93.2.12	
	DRAWN	<i>J. Shiraiishi</i>	93.2.12	
DRAWING No. SLC4-20210 - SPECIFICATION SHEET				PART No. DF1B-R28
CODE No. CL541-0222-9-				