

Dec.1.2019 Copyright 2019 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.

△	△	REVISIONS	BY	CHKD	DATE	△	△	REVISIONS	BY	CHKD	DATE
△						△					
△						△					

APPLICABLE STANDARD		
RATING	VOLTAGE CONTACT NO. 1 ~ * AC 250 V DC V	APPLICABLE CABLES
	CURRENT CONTACT NO. 1 ~ * 2 A	IMPEDANCE FREQUENCY RANGE Ω (0 ~ Hz)
	POWER	OPERATING TEMPERATURE RANGE -30 °C ~ +85 (Notes 1)
	SPECIALTY	

### SPECIFICATIONS

No.	ITEM	CONDITIONS	TEST STANDARD	MIN	MAX	UNITS	QT	AT
1	DESIGN-MATERIAL-FINISH	ADC 80377 Applicable Std. and		-	-	-	○	○
2	MARKING	DC3 ~ 20829		-	-	-	○	○
3	INSULATION RESISTANCE	Must be over standard value at DC 500 V.	MIL-STD-1344	1000	-	MΩ	○	
4	CONTACT RESISTANCE Unit CONTACT	The voltage drop must be under the Std. value at DC 0.1 A.	MIL-STD-1344	-	30	mΩ	○	
	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	-	-	-	○	
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. 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 °C 90 ~ 95% 96 hours.	at high humidity	MIL-STD-1344	-	MΩ	-	
			after high humidity	1000	-	MΩ	○	-
10	VIBRATION	Must have no damage, crack and looseness of parts at Frequency range 10-55 Hz. Total amplitude 1.5 mm, G at 2 hours for 3 directions.	MIL-STD-1344	-	-	-	○	-
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 -55-+85°C 5 cycles. total 5 hours	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.		-	30	mΩ	○	-
				-		mΩ		-
14	SALT SPRAY (CORROSION).	Must not have heavy corrosion after 5 x salt water spray for 48 hours.	MIL-STD-1344	-	-	-	○	-
15	H <sub>2</sub> S-EXPOSURE	Must not have heavy corrosion after 3 ppm for 96 hours.	JEIDA-38	-	-	-	○	-
16	SO <sub>2</sub> -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>M. Yamamoto</i>	90.8.29	ISSUED BY  <b>HRS</b> HIROSE ELECTRIC CO., LTD.
	REVIEWED			
	CHECKED			
	DESIGNED	<i>J. Oma</i>	90.8.29	
	DRAWN	<i>J. Oma</i>	90.8.29	
DRAWING No. SLC4-162393-01				PART No. DF11-X:DP-2DSA(01)
SPECIFICATION SHEET				CODE No.

TO

