

COUNT		REVISIONS		BY	CHKD	DATE	COUNT		REVISIONS		BY	CHKD	DATE
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APPLICABLE STANDARD		
RATING	VOLTAGE CONTACT NO. / ~ 20 AC 250 V DC V	APPLICABLE CABLES UL2789 AWG No.28
	CURRENT CONTACT NO. / ~ 20 0.5 A	IMPEDANCE FREQUENCY RANGE 2 (0 ~ Hz)
	POWER	OPERATING TEMPERATURE RANGE -55℃ ~ 85℃
	SPECIALTY	

SPECIFICATIONS									
No.	ITEM	CONDITIONS	TEST STANDARD	MIN	MAX	UNITS	QT	AT	
1	DESIGN-MATERIAL-FINISH	ADC Applicable Std. and		—	—	—	○	○	
2	MARKING	DC 3-42472		—	—	—	○	○	
3	INSULATION RESISTANCE	Must be over standard value at DC 500 V.	MIL-STD-202 -302 A	500	—	MΩ	○	○	
4	CONTACT RESISTANCE Unit CONTACT	The voltage drop must be under the Std. value at DC 0.1 A.		—	35	mΩ	○	○	
	CONTACT	The voltage drop must be under the Std. value at DC A.		—	—	mΩ	—	—	
5	DIELECTRIC WITHSTANDING VOLTAGE	Must keep the AC 500 V for one minute.	MIL-STD-202 -301	—	—	—	○	○	
6	V S W R	Must be under the Std. value at frequency ~ Hz.		—	—	—	—	—	
7	INSERTION LOSS	Must be under the Std. value at frequency ~ Hz.		—	—	dB	—	—	
8	LOW LEVEL CIRCUIT	The Contact Resistance must be under the Std. value at DC20mV less and mA.		—	—	mΩ	—	—	
9	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.		0.8	3.0	kgf	○	—	
10	HUMIDITY	Insulation resistance must be over the Std. value at 40℃ 90 ~ 95%, 96 hours.	MIL-STD-202 -103 (B)	1	—	MΩ	○	—	
		at high humidity after high humidity		100	—	MΩ	○	—	
11	VIBRATION	Must have no damage, crack and looseness of parts at Frequency range 10 ~ 55 Hz, Total amplitude 1.52mm, —G at 2 hours for 3 directions.	MIL-STD-202 -201 A	—	—	—	○	—	
12	SHOCK	Must have no damage, crack and looseness of parts 50 G at 3 times for 3 directions.	MIL-STD-202 -213 B (A)	—	—	—	○	—	
13	TEMPERATURE CYCLING	Must have no damage, crack and looseness of parts for -55 ~ 85℃, 5 cycles.	MIL-STD-202 -102 A (D)	—	—	—	○	—	
14	DURABILITY Unit CONTACT CONTACT	Must be less than the Std. value after 1,000 times insertion and extraction at the condition described in above item No.4.		—	35	mΩ	○	—	
				—	—	mΩ	—	—	
15	SALT SPRAY (CORROSION)	Must not have heavy corrosion after 5% salt water spray for 48 hours.	MIL-STD-202 -101 D (B)	—	—	—	○	—	
16	WATER PRESSURE WITHSTANDING	No leakage at depth m kgf/cm ² hours.		—	—	—	—	—	
17	AIR PRESSURE WITHSTANDING	No leakage at pressure kgf/cm ² mmHg min sec		—	—	—	—	—	

REMARKS ① Contact resistance test condition 	APPROVED	A. Nakamura	10.4.90	ISSUED BY HRS HIROSE ELECTRIC CO., LTD. PART No. DX30AM-20P
	REVIEWED	S. Kikuta	10.4.90	
	CHECKED	M. Nakamura	10.4.90	
	DESIGNED	N. NISIMATU	10.4.90	
	DRAWN			

DRAWING No. SLC4-42472-	SPECIFICATION SHEET	CODE No. CL230-5025-7-
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NOTE QT:Qualification Test AT:Assurance Test O:Applicable item FORM No.