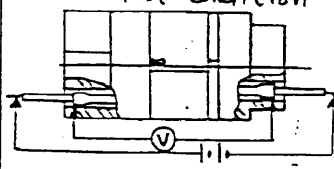


COUNT		REVISIONS		BY	CHKD	DATE	COUNT		REVISIONS		BY	CHKD	DATE
△							△						
△							△						
APPLICABLE STANDARD													
RATING	VOLTAGE	CONTACT NO.	AC — V					APPLICABLE CABLES	AWG #24 — #20 (UL1007)				
	CURRENT	CONTACT NO.	DC — V	3 A (AWG #20)				IMPEDANCE FREQUENCY RANGE	2 (0 ~ Hz)				
	POWER							OPERATING TEMPERATURE RANGE	℃ ~ ℃				
	SPECIALTY												
SPECIFICATIONS													
No.	ITEM	CONDITIONS						TEST STANDARD	MIN	MAX	UNITS	QT	AT
1	DESIGN-MATERIAL-FINISH	ADC							1	—	—	—	—
2	MARKING	Applicable Std. and DC 3-27838							—	—	—	—	—
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 / A.						1	—	30	mΩ	—	—
	Unit CONTACT	The voltage drop must be under the Std. value at DC — A.											
5	DIELECTRIC WITHSTANDING VOLTAGE	Must keep the AC DC V for one minute.							—	—	—	—	—
6	V SWR	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. gauge size value at applicable gauge.							—	—	gf	—	—
	MATING AND UNMATING FORCES	Must be suitable for the Std. value.							—	—	kgf	—	—
10	HUMIDITY	Insulation resistance must be over the Std. value at — at high humidity							—	—	MΩ	—	—
		℃ ~ X. hours. after high humidity											
11	VIBRATION	Must have no damage, crack and looseness of parts at Frequency range — Hz. Total amplitude mm, G at hours for directions.							—	—	—	—	—
12	SHOCK	Must have no damage, crack and looseness of parts G at times for directions.							—	—	—	—	—
13	TEMPERATURE CYCLING	Must have no damage, crack and looseness of parts for -55~+85℃ 5 cycles.						MIL-STD-202-102A (D)	—	—	—	—	—
14	DURABILITY	Must be less than the Std. value after 1000 times insertion and extraction at the condition described in above item No.4.						1	—	40	mΩ	—	—
	Unit CONTACT												
15	SALT SPRAY (CORROSION)	Must not have heavy corrosion after 5% salt water spray for 48 hours.						MIL-STD-202-101D (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							—	—	—	—	—
18	Tensile strength between the terminal and crimped wire core	When tensile force are applied, the retaining force between the terminal and crimped suitable wire core shall be more than the standard						AWG #24 AWG #22 AWG #20	3.6 5.4 9	—	kgf	—	—
REMARKS		Contact resistance test condition						APPROVED		A. Nishizawa 15.3.91		ISSUED BY	
		REVIEWED				HRS		HIROSE ELECTRIC CO., LTD.					
		CHECKED		H. Miwa 14.3.91									
		DESIGNED		T. Watanabe 14.3.91									
		DRAWN		H. Shimazu 11.3.91									
DRAWING No.		SLC4-27838						PART No.		QR/P8-PC-211			
		SPECIFICATION SHEET						CODE No.		CL221-0175-1-			