

Reference and Technical Data

Performance specifications

Description	Requirement			Procedure
Voltage Rating (DWV)	1000 VAC Sea Level			EIA-364-20
Operating Temperature	-65° C. to +200° C.			
Insulation Resistance	5000 megohms minimum			EIA-364-21
Current Rating	Size #20 7.5A, #22 5A			
Contact Resistance	Wire Size	Test Current	Millivolt Drop	EIA-364-06
	20	7.5	55	
	22	5	73	
	24	3	45	
Low Level Contact Resistance	Wire Size	Max Milliohms		EIA-364-23
	20	9		
	22	15		
	24	20		
Shell-to-Shell Resistance	2.5 milliohm max (ground spring required)			EIA-364-83
Shielding Effectiveness	Freq. GHz	Min Attenuation (dB)		EIA-364-66 Electroless nickel plated shells with ground spring installed
	0.1	100		
	0.4	90		
	0.8	85		
	1.0	80		
	3.0	55		
	6.0	40		
	10.0	30		
Water Immersion, mated	1 hour immersion at a depth of 1 meter			MIL-STD-810F Method 512.4
Ingress Protection Rating	IP67, mated connectors			IEC-60529
Vibration, Sine	20 g's			EIA-364-28
Vibration, Random	43 g's			EIA-364-28
Mechanical Shock	300 g's			EIA-364-27
Thermal Shock	-65° C. to +200° C.			EIA-364-32
Humidity	10 cycles, 10 days, 25°C to 65°C			EIA-364-31
Altitude Immersion	75,000 feet			EIA-364-03
Fluid Immersion	No damage from solvents, oils, and fuels			EIA-364-10
Magnetic Permeability	2 μ maximum			EIA-364-54
Mechanical Durability	500 Mating Cycles			EIA-364-09