Generation 1 Features

- Provides a standard D-Sub interface ideal for enclosures exposed to harsh environments
- Protection is provided for IP67 applications per IEC 60529 specification
- Provides protection from ingress of water when immersed in 1.0m depth for 30 mins and ingress of dust less than 75 microns under 2kPa vacuum pressure
- Sturdy die cast shell provides excellent strength and durability

Markets

Amphenol’s line of Rugged D-Sub connectors serve many markets and applications across the globe including Transportation, Military, Medical and Industrial.
Technical Specifications

External Shell: Die Cast Zinc, Nickel Plated,
Insulator Housing: High Temperature Resistant Nylon, Glass Reinforced, UL94V-0, Black
Contacts: Machined Phosphor Bronze or Brass Alloy Plated with 0.76μm (30μ") min Gold over 1.27μm (50μ") min Nickel
Gaskets & O-rings: Silicone Rubber, Black or Red
Jack Sockets: Stainless Steel
Dust Covers: Silicone Rubber, Grey, with Nickel Plated Brass Bushing
Threaded Inserts: Nickel Plated Steel

Water & Dust Protection Level: Code IP67 per IEC 60529
Operating Temperature: -44°C to +105°C
Contact Insertion Force: Standard Density - 5.0N (18oz) max, 3.3N (12oz) max Average Initial
High Density - 5.0N (18oz) max, 2.6N (9.5oz) max Average Initial
Durability: Per EIA 364-09, 500 Mating Cycles
Vibration: Per EIA 364-28 Condition V, Letter D, 4.5 Hrs, No Discontinuity ≥ 1μs
Shock: Per EIA 364-27 Test Condition A (11ms, 50g, ½ Sine), No Discontinuity ≥ 1μs
Temperature Life w/o Load: Per EIA-364-17, 105°C, 1000 Hours
Thermal Shock: Per EIA-364-32, -55°C to +105°C, 25 Cycles
Humidity: Per EIA-364-31, 10 Cycles, 240 Hrs, 25°C to 65°C, 90-95%RH, with -10°C Cold Shock
Thermal Cycling: Per EIA-364-110, 500 Cycles, 15°C to 85°C
Mixed Flowing Gas: Per EIA 364-65 Class IIA (Cl₂, NO₂, H₂S, & SO₂), 14 Day Exposure
Solvent Resistance: Isopropyl Alcohol & 5% Sodium Hydrosyde Solution, 24 Hrs Each
Solderability: Per EIA-364-52, 95% Coverage after Category 2 Steam Aging

Current Rating: Standard Density - 5A max
Contact Resistance: High Density - 3A max
50 mΩ max
Insulation Resistance: 5000 MΩ min
DWV: 1000 VDC