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AT 8 Pin Plug

Brand: Amphenol
Product Code: AT04-8PA
Availability: In Stock
Weight: 0.05kg
Dimensions: 5.00cm x 2.00cm x 2.00cm

Price: $4.40

Short Description

AT Series™ connectors are a high-performance, cost effective solution able to be used in a variety of interconnect applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural. They contain superior environmental seals and seal retention capabilities.

Description

The connector design incorporates an integral latching system that ensures a definitive electrical and mechanical connection. Connector housings are manufactured with a thermoplastic material that is not only durable, but has excellent UV resistance, dielectric/mechanical properties and environmentally RoHS compliant. The sealing system is comprised of a front and rear silicone, multi-sealing perimeter against environmental ingress. Contacts are derived from quality copper alloy to ensure an electrically-reliable connection.

AT Series™ connectors are compatible with other existing standard products industry-wide, including the Deutsch DT series.

Specifications

Current Capacity

Size 16, 13A (max)

Wire Range
Size 16 contacts will accept wire ranges of 14 thru 20AWG

Operating temperature range
-55°C to +125°C at rated current

Dielectric Value
Meets or exceeds 1500volts minimum

Drop Test
Shall not become detached or loosened when placed at 750mm and dropped to concrete eight times

Shock
No latch disengagement or discontinuity shall be the result when subjected to 50 g’s in each of three axis (X, Y & Z)

Vibration
Continued continuity without degradation to mechanical or physical attributes following vibration. (max acceleration 20 g’s at Sine sweep of 10-2000Hz)

Connector Terminal Retention
When subjected to a direct pull, contacts achieve a minimum pull-out force of 25 lbs.

Connector Retention
A mated connector subjected to a pulling force by the exiting wire bundle at 25lbs. times the number of contacts to a maximum of 100 lbs. applying load for 30 seconds.

Thermal Shock
Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector

Insulation Resistance
1000 megohms minimum at 25°C

Mating Cycle Durability
Following 100 cycles of connection engagement and disengagement, degradation either mechanical or electrical is not evident.

Contact Millivolt Drop
Size 16 contacts with 16AWG conductor -100mV drop max at 13A test current

Water Immersion
A mated connection, properly wired, placed in an oven at +125°C for 1 hour, then placed immediately in a depth of water 1 meter for 4 hours without loss of electronic performance