

M83723-24R1701N

Specifications

Attribute	Value
Part Number Breakdown	
M83723/24	The specification sheet number denoting a Crimp Pin (Male) Contact, Straight Plug with a Threaded Coupling mechanism.
R	Class designation specifying Aluminum Shell, Electroless Nickel Finish (highly conductive, fluid resistant, and provides excellent EMI/RFI shielding).
17	Shell size.
01	Insert arrangement, which translates to 7 size 16 contacts.
N	Normal polarization / keying position.
Core Performance Specifications	
Reference	You can verify the following operational limits on standard industrial profiles like the Aero-Electric 83723 Data Sheet.
Operating Voltage	600 VAC (RMS) at sea level.
Current Rating	Up to 13 Amps continuous for the Size 16 contact cavities.
Temperature Range	-65°C to +200°C (-85°F to +392°F) under Class R parameters.
Durability	Minimum 250 mating cycles for threaded coupling plugs.
Vibration Resistance	Withstands a peak of 20g over 10 to 2,000 Hz frequencies.
Shock Performance	Up to 100g peak for a duration of 6 milliseconds.
Physical & Material Characteristics	
Shell Material	High-grade aluminum alloy finished with an environmentally sound electroless nickel coating.
Insulator & Seals	Rigid, high-strength thermoplastic dielectric insert face combined with a fluorosilicone blend elastomer wire-sealing grommet.
Contact Sealing	Employs a triple-webbed wire grommet that handles a wide envelope of outer wire insulation diameters.
Termination Method	Rear-release crimp style contacts conforming to SAE AS39029 guidelines.