

10-42232-17S

Specifications

Attribute	Value
Part Number Breakdown	
10-	Amphenol/Bendix prefix designating industrial/commercial heavy-duty cylindrical series (derived from MIL-DTL-5015 / MIL-C-22992 basics).
422	Designates the specific shell configuration, typically mapping to a Box Mount Receptacle (flange mount for panels).
32-17	The specific Shell Size (32) and Insert Arrangement (17).
S	Socket contacts (female interface/insert).
Technical Specifications: 1. Contact & Electrical Data	
Number of Positions	4 contacts.
Contact Size	Layout utilizes Size 4 AWG heavy-duty contacts.
Current Rating	Up to 80A per contact continuous (based on standard Size 4 contact limitations in MS/QWL series).
Service Rating / Voltage	Class D rating, designed to safely handle operating voltages up to 900V AC / 1250V DC (with air spacing test voltages up to 2800V AC).
2. Materials & Environmental	
Shell Material	High-strength aluminum alloy.
Shell Finish	Standard Olive Drab Cadmium or Alumilite hard anodic coating for maximum corrosion protection.
Insert Material	Resilient neoprene or specialized rubber providing high dielectric strength, vibration resistance, and a moisture-proof seal.
Contact Plating	Silver or gold-plated copper alloy for low millivolt drop and low resistance.
Operating Temperature	-55°C to +125°C (up to 175°C depending on specific environmental class variations).
3. Mechanical & Mating	
Coupling Type	Heavy-duty threaded coupling.
Mating Cycle Life	500 mating cycles minimum.
Mating Counterpart	Mates directly with the pin/male variant: 10-42232-17P.
Orientation	Normal (N) keyway polarization prevents mismating.