

MS3106E 20-21S

Specifications

Attribute	Value
Mechanical & Shell Specifications	
Connector Style	Straight Cable Plug (Free Hanging / In-Line)
Shell Size	20
Insert Arrangement	20-21
Coupling Mechanism	Threaded coupling nut meeting MIL-DTL-5015 requirements
Shell Material	High-grade Aluminum Alloy
Shell Plating	Standard Olive Drab Chromate over Cadmium (conductive, non-reflective)
Hardware Included	Integrated environmental backshell, heavy-duty mechanical cable sealing clamp, and neoprene wire-sealing grommet
Maximum Cable Opening	0.656 inches (16.66 mm)
Electrical & Contact Performance	
Total Number of Contacts	9 positions
Contact Gender	Socket (Female)
Contact Material	Copper Alloy / Brass base
Contact Plating	Hard Silver
Termination Method	Fixed Solder Cup
Voltage Rating	500 VAC / 700 VDC at sea level
Current Rating	Typically up to 13 Amps per contact (Standard Size 16 contacts for 20-21 array layout)
Environmental & Compliance	
Ingress Protection Class	Class E — Environment Resistant (Moisture-proof, dust-tight barrier via resilient internal insulators)
Operating Temperature Range	-55°C to +125°C (-67°F to +257°F)
Vibration & Shock	Engineered to withstand tactical high-vibration conditions and corrosive salt-water environments
RoHS Status	Non-RoHS compliant (due to highly protective cadmium military finish; leaded solder-pot construction)