

MS3102E 18-20S

Specifications

Attribute	Value
Technical Specifications	
Series / Standard	MIL-DTL-5015 Series I (Standard Cylindrical)
Shell Style	MS3102 Box Mounting Receptacle (Square Flange Panel Mount)
Environmental Class	Class E: Environment Resistant (Resilient Neoprene Insert)
Shell Size	18
Insert Arrangement	18-20
Total Contacts	5
Contact Size	#16 AWG
Current Rating	13 Amps max per contact (at 20°C)
Operating Voltage	Service Rating A (700 VDC / 500 VAC at sea level)
Operating Temperature	-55°C to +125°C
Termination Type	Solder Cup
Coupling Type	Threaded Coupling
Shielding	Unshielded
Material & Finish	
Shell Material	High-grade Aluminum Alloy
Shell Plating	Olive Drab Chromate coating over Cadmium finish (Non-RoHS compliant standard military finish)
Insulator / Insert Material	Resilient Neoprene (provides excellent moisture sealing and vibration isolation)
Contact Material	Copper Alloy
Contact Plating	Hard Silver or Gold Flash over Silver
Dimensional Data (Standard Shell Size 18)	
Mating Thread Class	1 1/8-18UNEF
Flange Dimension (Square Flange width)	~1.375 inches (34.92 mm)
Mounting Hole Spacing	~1.062 inches (26.97 mm)
Wire Stripping Length	6.2 mm (~0.244 inches) for Size 16 contacts