

MS3100R 14-3

Specifications

Attribute	Value
Physical & Mechanical Specs	
Component Type	Wall-mount receptacle (flange mounted for panel or bulkhead installation).
Shell Size	14 (7/8-inch coupling thread size).
Insert Arrangement	14-3.
Number of Contacts	1 contact (Note: Layout 14-3 features a single large contact, unlike other 14-X series layouts).
Contact Size	Size 8.
Gender	Female socket (typically designated by an "S" suffix in the full part number).
Mating Type	Threaded coupling.
Polarization	Standard keyway rotation (alternate positions like W, X, Y, Z available upon request).
Environmental & Material Specs	
Class Rating	"R" Class (Lightweight, environmental-resisting with wire-sealing grommet).
Shell Material	High-grade aluminum alloy.
Shell Plating	Standard olive drab chromate over cadmium (conductive, corrosion-resistant).
Insulator Material	Resilient neoprene / synthetic rubber (provides high dielectric strength and vibration resistance).
Operating Temperature	-55°C to +125°C (-67°F to +257°F).
Sealing	Moisture-resistant and vibration-proof barrier when properly mated with a grommet nut.
Electrical Specs	
Service Rating	Class A (Operating voltage up to 500 VAC / 700 VDC at sea level).
Current Rating	Up to 46 Amps (maximum continuous current for a single size 8 contact).
Contact Resistance	Low millivolt drop across high-conductivity copper alloy contacts (silver or gold plated).