

M83723/75R 22 556

Specifications

Attribute	Value
Overview	
Description	The M83723/75R2255N is a military-grade, environment-resistant circular plug connector certified under the MIL-DTL-83723 Series III specification. It is manufactured by major aerospace component suppliers, including Amphenol Aerospace, Milnec, and Conesys.
Part Number Breakdown	
Connector Type (I75)	Straight plug with a captive coupling nut.
Class/Material & Finish (R)	Aluminum alloy shell with an electroless nickel plating (silver color) providing high corrosion resistance.
Shell Size (22)	Size 22 shell.
Insert Arrangement (55)	Cavity pattern 22-55, housing 55 positions using Size 20 contacts.
Contact Gender (S)	Female sockets.
Orientation (N)	Normal polarization / keying position.
Technical Performance & Materials	
Mating/Fastening Style	Bayonet lock (quick-disconnect 3-point coupling)
Termination Type	Crimp (rear-release, removable contacts)
Current Rating	7.5 Amps per contact
Voltage Rating	600 VAC (RMS) at sea level
Operating Temperature	-65°C to 200°C (depending on specific manufacturer limits)
Contact Plating	Gold over copper alloy/brass
Environmental Sealing	Environment and fluid resistant; features individual wire sealing grommets and interfacial seals
Applications	Military, commercial aviation, and defense aerospace systems