

Standard Hermetic Connectors








Description

Amphenol Martec is a leader in Glass-to-metal sealing with a wide range of MIL Spec Qualified Product List (QPL) and proprietary standard options. Hermetic connectors are essential to maintain system integrity in applications where the reliability and performance of electrical connectors are critical, such as gas-tight barriers or areas with high-pressure differentials

Main Features

- Hermetic glass-to-metal seal technology
- All styles also available in Non MIL-SPEC, commercial options that will meet the MIL-SPEC requirements
- Leakage rate of up to 1×10^{-10} cc He/sec
- AS9100 accredited

Series	Military	Commercial
 <p>38999 Series I, II, III</p>	MS27469 MS27470 MS27471	LJT
	MS27475 MS27476 MS27477 MS27478	JT
	D38999/21 D38999/23 D38999/25 D38999/27	TVP TVS
 <p>26482 Series I</p>	JN*	SJT
	MS3113H MS3114H	PTIH PT07H PT02H
 <p>83723 Series III, Pyle</p>	PAN*	602
	M837230/88 M837230/89 M837230/90	62 162
 <p>26500</p>	-	BTY BFY BNY
	-	ESC10* ESC11* EN2997
 <p>5015</p>	-	ZZL ZZB
	-	172

* Currently obtaining qualification

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Hermetic Sealed Guide

Mil standard	Series	Description
26482	62	Miniature bayonet lock, Solder
	602	Miniature bayonet lock, High temperature
	162	Miniature bayonet lock, Crimp
	PT	Miniature bayonet circular connector
	PAN	Panavia
38999	LJT	Series I, Subminiature cylindrical 3 point bayonet lock
	JT	Series II, Subminiature cylindrical 3 point bayonet lock
	TV	Series III, Tri-start circular connectors with stainless steel shells
	SJT	Light weight, scoop proof, bayonet connector intermountable with MIL-C-26482
	JN	Eurofighter
83723	BTY	Pyle-National, Threaded coupling, Stainless Steel, 260°C Rated, O-Ring Seal (Proprietary version of ESC10YE & EN2997YE)
	BFY	Pyle-National, Threaded coupling, Stainless Steel, 200°C Rated, Static-dynamic Seal (Proprietary version of M83723)
	BNY	Pyle National, Threaded coupling, Electrodeposited Nickel Plated Stainless Steel, 200°C Rated, Static-dynamic Seal
	ESC10	Rolls-Royce Standard, Threaded coupling, Stainless Steel, 260°C Rated, O-Ring Seal
	ESC11	ESC11 - Rolls-Royce Standard, Threaded coupling, Stainless Steel, 260°C Rated, O-Ring Seal, Scoop Proof (recessed pins)
	EN2997	EN2997 - ASD European Standard, Threaded coupling, Stainless Steel, 260°C Rated, O-Ring Seal
26500	ZZL	Threaded coupling, high reliability aircraft connector
	ZZB	Bayonet coupling, high reliability aircraft connector and industrial standard
5015	172	Threaded standard cylindrical connector

Custom capabilities

Martec is a market leader in designing function driven hermetic solutions to your requirements. Hermetic seals for harsh environments and critical applications

- Impervious to air or gas, maintain fluid separation
- Leak rate performance of 1×10^{-7} to 10^{-10} cc/sec
- Exceptionally high strength (up to 90,000 psi / 600 Mpa)
- High temp (operating ranges from -55°C to 350°C, fire wall capabilities to 1000°C)
- Exotic material selection



Markets

- Military & Defence
- Industrial
- Subsea, Oil & Gas
- Space
- Missiles
- Commercial Aerospace
- Medical & Automotive

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