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POTCON® SERIES

24234 – 55 POSITION HERMETIC BULKHEAD CONNECTOR

PDF Drawing - 24234

The 24234 PotCon hermetic bulkhead connector is a plug to receptacle hermetic feedthrough designed for vacuum atmospheric test and measurement applications. it is designed with a 1 3/4″-18 vacuum face seal, simplifying installation into chamber environments. The housing is installed using a locknut and Nitrile O-ring hermetically seal the outside of the housing.

Inside the housing, Douglas utilizes a hermetic low outgassing epoxy to seal the stainless-steel feedthrough. The design includes an MS3471L22-55P plug on the atmospheric side and an MS3471L22-55S on the vacuum side. With 55 contacts, it offers high density, supporting multiple power and signal connections.

Douglas can provide mating connectors or harnesses as required and customize your feedthrough with other connector options. Please contact our sales engineers to discuss your specific design and application needs.

Note: Image is only a representation; not all wires shown.

Specifications

Housing Material	Stainless Steel
Housing Size	1 3/4″-18 Vacuum face seal with Nitrile O-ring

Contact Count	55 #20AWG Copper Contacts
Atmospheric Plug	MS3471L22-55P
Vacuum Receptacle	MS3471L22-55S
Vacuum Leak	<1 x 10^{-8}cc He/sec. Contact factory for more options.
Operating temperature	-40°C to +225°F
Electrical Hipot	600VAC

Product image is general representation. Download datasheet for dimensional data.

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