

Courtesy Thales



PDM

Subsea products and services



Metal Shell Connectors

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The Impulse range of metal shell connectors are available in a wide range of contact sizes and are intended for use in challenging environments. Their robust construction ensures a long service life. For these reasons they have seen extensive service in defence applications.

An important feature of the connectors is the removable glass reinforced epoxy insert which is a feature of the bulkhead and cable connectors. This enables the expensive metal shell to be re-used in the event that the cable/connectors are damaged or need updating. This feature can offer considerable cost savings to client.

Bulkhead connectors are available with a flange or threaded interface. Straight and right angled overmoulds are available for cable connector plugs. The connectors are pressure rated up to 20,000 psi mated and the bulkhead connector is rated to 5,000psi open face.



A selection of Metal Shell Connectors



The scope of Metal Shell Connectors

The features of this range of connectors gives the customer considerable design and operational flexibility, and the well proven service record is an assurance of their reliability. PDM Neptec offers a comprehensive harness design and termination & moulding service to clients. All such work is carried out under BS EN ISO 9001:2000. Many clients value the opportunity to outsource the complete harness production process in this way.



PRODUCT DATA

Configuration:	Bulkhead and In-line
Contacts:	1 to 96 (7 shell sizes)
Contact finish:	Gold
Threads:	$\frac{9}{16}$ " - 18 UNF-2A to $\frac{23}{4}$ " - 12 UNF-2A
Body:	Stainless Steel (Aluminium/specials option)
In-line connectors:	Neoprene or Polyurethane
Voltage max:	600V DC
Current max:	1/0#(AWG)-200A, 22#-2A
Pressure (mated):	20,000 PSI max. (MSSJ to 10,000 PSI max).
Pressure (o/face):	5,000 PSI max. (Bulkhead)
Quality Impulse:	MIL Spec options
Quality Neptec:	BS EN ISO 9001:2000

NB. Ratings above may be influenced by the attached cable.

Please contact us if you require advice on connector selection.
Our Engineers will be pleased to help, and may be able to assist you with your total connector system requirement at the same time.

Product brochures are available on ...

IE55 Connectors	Defence Projects
Glass Reinforced Epoxy Connectors	Micro Connectors
Metal Shell PBOF Connectors	Penetrators
IE55 Subminiature Connectors	Cable Assemblies
Epoxy/Rubber moulded Connectors	Encapsulated Products
Micro Wet Pluggable Connectors	Polyethylene Products
Underwater Pluggable Connectors	High Density Connectors
Design and Development Projects	Titan Connectors
Wet Pluggable Connectors	Hybrid Connectors
Polyurethane Elastomers	Fibre Optic Connectors
Transition Zone Connectors	Fibre Optic Penetrators
Quickcure Moulding System	Polyethylene Moulding

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BS EN ISO 9001:2000