

DEUTSCH DL and DBA Series Connectors

Qualified to MIL-DTL-83723 Series III

Weight-Saving Aluminum Connectors Designed for Rugged Use and High Temperatures



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WITHSTAND HARSH ENVIRONMENTS

- Triple wire sealed for sealing over a wide range of wire diameters
- Raised moisture barriers around each pin for individual contact sealing

EASY INSTALLATION

- Bayonet and threaded coupling options
- Closed-entry socket insert for positive pin alignment
- Scoop proof
- Rear release crimp contact system for excellent contact stability
- Visual confirmation of complete coupling

APPLICATIONS

- Military Aircraft
- Commercial Aircraft
- Communications Equipment
- High-Temperature Industrial Applications

DEUTSCH DL Series bayonet coupling and DBA Series threaded coupling connectors are built to withstand extreme environmental conditions and are qualified to the MIL-DTL-83723 Series III standard.

MATERIALS

- Shell
 - Class A: Aluminium shell, black anodized finish
- Class R: Aluminum shell, electroless nickel finish
- Class W: Aluminum shell, olive drab cadmium over nickel base
- Contacts: Copper alloy, plated 50 uinches selective gold
- Bayonet Pins: Passivated stainless steel
- Insulator: Rigid plastic dielectric
- Seals: Silicone-based elastomer

ENVIRONMENTAL

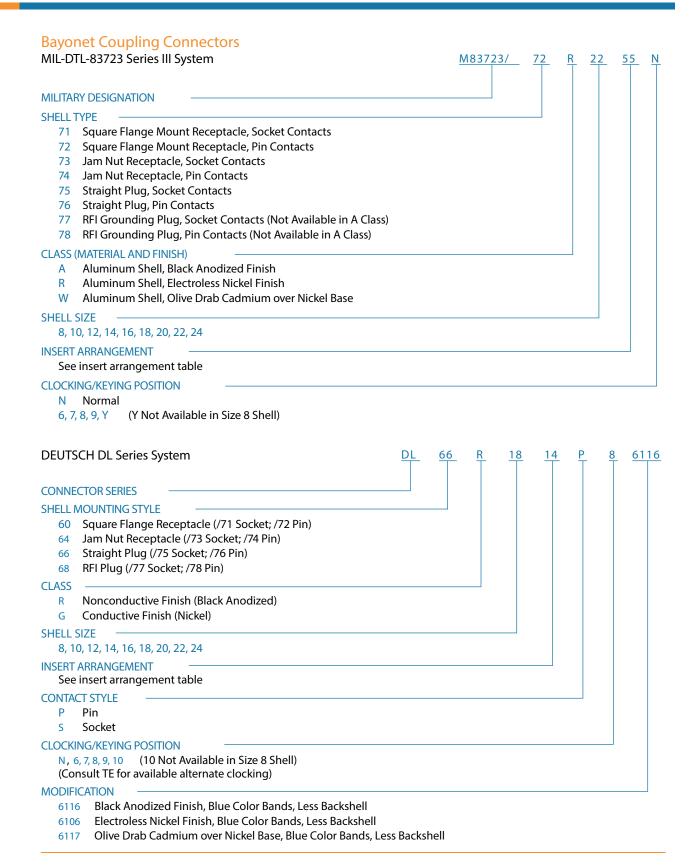
- Temperature: -65°C to +200°C (Class W -55°C to +175°C)
- Durability:
- 500 mating cycles for all bayonet receptacles (M83723/71 through /76) 250 mating cycles for plugs with RFI fingers (M83723/77 and /78)
- 250 mating cycles for threaded connectors (M83723/82 through /87)
- Vibration: Meets performance requirements of MIL-DTL-83723
- Shock: Meets performance requirements of MIL-DTL-83723
- Shielding: RFI shielding as per MIL-DTL-83723
- Conductivity (Voltage Drop):5 mV max. (with RFI shielding)
 - 200 mV max. (without RFI shielding)
- · Contact Retention:
 - Size 20: 20 lb.
- Size 16: 25 lb.
- Size 12: 30 lb.
- Shell Styles: Square flange, jam nut, straight plug, and RFI plug (RFI plug in Bayonet series only)

VOLTAGE RATING

Service Rating	Test Voltage (V rms)			
	@ Sea Level	@ 50,000 ft.	@ 70,000 ft.	
1	1500	500	375	
II Control	2300	750	500	

Empower Engineers to Solve Problems, Moving the World Forward.







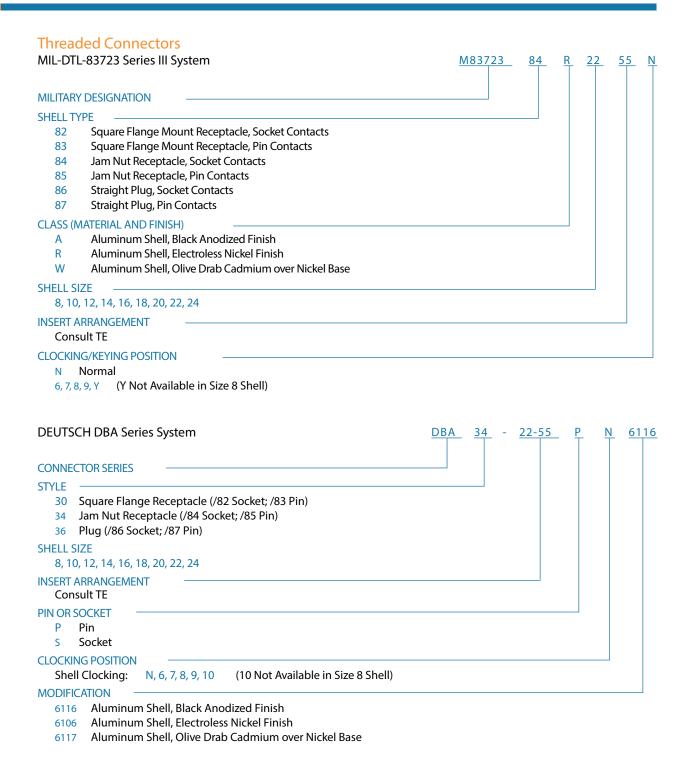
Insert Arrangments For Bayonet Connectors

Inserts are QPL and available in 6, 7, 8, 9, or Y polarization (Insert 8-3 is not available with Y polarization)

Consult TE for insert arrangements for threaded connectors.

Arrangement		No. of Contacts	
	Size 20	Size 16	Size 12
8-3	3		
10-2	2		
10-5	5		
10-6	6		
10-20		2	
12-3		3	
12-12	12		
14-04			4
14-07		7	
14-12	9	3	
14-15	15		
16-10		10	
16-24	24		
18-8			8
18-14		14	
18-31	31		
20-16		16	
20-25	19		6
20-28	24		4
20-39	37	2	
20-41	41		
22-12			12
22-19		19	
22-32	26		6
22-39	27	12	
22-55	55		
24-19			19
24-43	23	20	
24-57	55		2
24-61	61		





Tel: +44(0) 1793616700 • Fax: +44(0) 1793 644304 uksales@is-rayfast.com • export@is-rayfast.com

WWW.is-rayfast.com

2 Lydiard Fields, Swindon, Wiltshire, SN5 8UB



