



Long Life Reliability
does not cost the earth

Connection Systems



Plane Power PDS400 aircraft connector with detachable front nose and push button controls

Configurable connector to meet customer requirements

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Configured to meet
customer requirements

External components manufactured from impact resistant, thermally stable and chemically resistant thermoplastics

Low maintenance

Detachable front power/control contacts and contact insulator (nose) are easy to maintain and replace

Impact resistant

LED and push-button switches are replaceable

Suitable for a wide range of composite and single core 400 Hz cables

Exterior replaceable handle/strain relief system

IP67 rated



PDS400 Connector is part of the
Plane Power Aviation product range

TECHNICAL FEATURES

High conductivity silver plated copper contacts

Connector sealed to IP67 (filler not required)

Configurable switches and LEDs to provide control and indication of connector usage

Micro switch (replaceable) located in F contact provides an indication once the connector has been 90% inserted into the mating receptacle (optional feature)

Optional temperature sensors in A, B and C contacts stop the connector from overheating

Switch "boots/hoods" provide ingress protection for the external faces of the switches

TECHNICAL DETAILS

Nominal voltage: 115/200 V, 400 Hz

Current carrying capacity (cont): 450 A (power), 35 A (control)

Current overload: 1500 A for 1 min (power)

High-voltage test: 4000 V

Operating temperature: -25°C to +90°C (includes temperature rise)

Ingress protection: IP67

Mating forces: As per ISO 461-1

Weight: 2.50 kg

Applicable standards: ISO 461-1, ISO 461-2, BS 4G 173-1, VG 96966-1, MIL-C-7974D

Compatibility: Mates with ISO 461-2 and MS90362 receptacles



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