

Aircraft Ground Power Supply Connectors







Aviation Plugs, Sockets, Cable Assemblies & Spares

LPA Group has over 70 years experience in power connection solutions for the aviation sector. The company has an ethos of designing and manufacturing products offering high reliability, with low maintenance and life cycle costs.

LPA's worldwide network of customers comprises of major UK and international airports, OEMs, specialist aviation suppliers and the military. We recognise the importance of reliable power systems in these dynamic environments and ensure our range of power connector and cable harnesses can exceed these demanding expectations.

LPA's aviation products are designed to support the efficiency and safety of the ground handling staff and GPU equipment in use on airport aprons.

Our aviation connector range is designed and manufactured to ISO 461-1, ISO 461-2, BS 43 173 part 1. LPA is EN 9100, ISO 9001 and ISO 14001 certified.



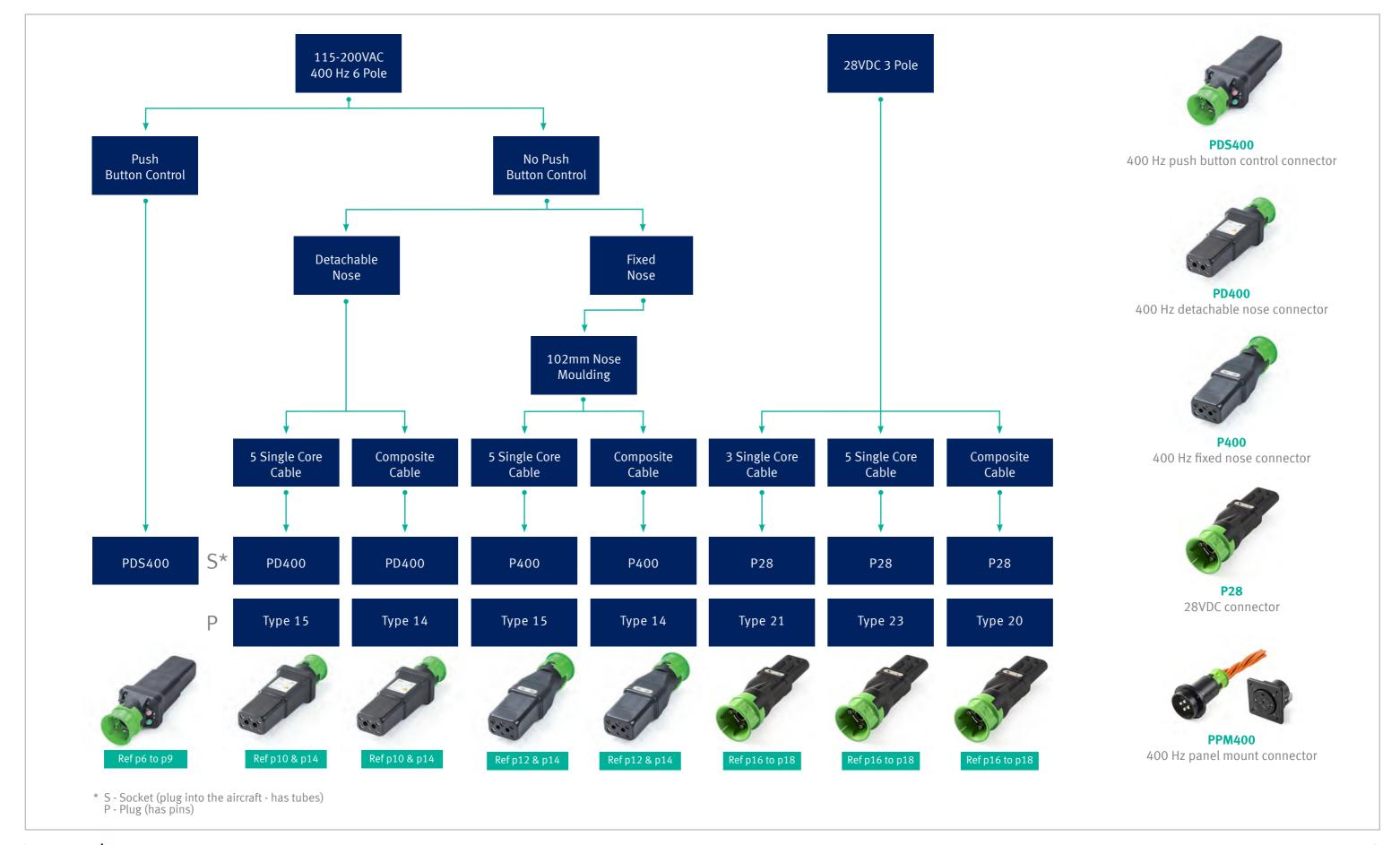


115 - 200VAC 400 Hz 6 Pole & 28VDC 3 Pole Connectors

- Plane Power 400 Hz connectors and 28VDC plugs and sockets
- External components are manufactured from impact, abrasion and chemically resistant, thermally stable polymers
- Modular connector construction.
 Replacement parts include noses, handles, switches, LED's and contact tubes
- IP66 and IP67 rated (no filler required with Plane Power connectors - independent IP certificate available on request)
- Suitable for a wide range of composite and single core cables



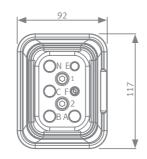
Socket/Plug Selector

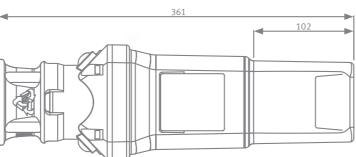




PDS400 Connector (400 Hz)







All dimensions in mm



Detachable front nose & push button controls

The PDS400 connector comes with detachable front nose and push-button controls.

Features

- Configurable to meet customer requirements
- Low maintenance
- Impact resistant
- External components manufactured from impact, abrasion and chemically resistant, thermally stable polymers
- Detachable power/control contacts and contact insulator (nose) are easy to maintain and replace
- LEDs and push-button switches are individually replaceable
- Suitable for a wide range of composite and single core 400 Hz cables
- Exterior replaceable handle/strain relief system
- IP66 & IP67 rated (filler not required)

Technical information:

- High conductivity silver plated copper contacts
- Configurable switches and LEDs to provide control and indication of connector usage
- Micro-switch (replaceable) located within the 'F' contact provides a signal once the connector has been inserted 90% into the mating receptacle (optional feature)
- Optional temperature sensors fitted to A, B and C contacts can prevent overheating if wired correctly into Power Supply
- Switch 'boots/hoods' provide ingress protection for the external faces of the switches
- Nominal voltage: 115/200 V, 400 Hz
- Current carrying capacity (cont):
 450 A (power), 35 A (control)
- Current overload: 1500 A for 1 min (nower)

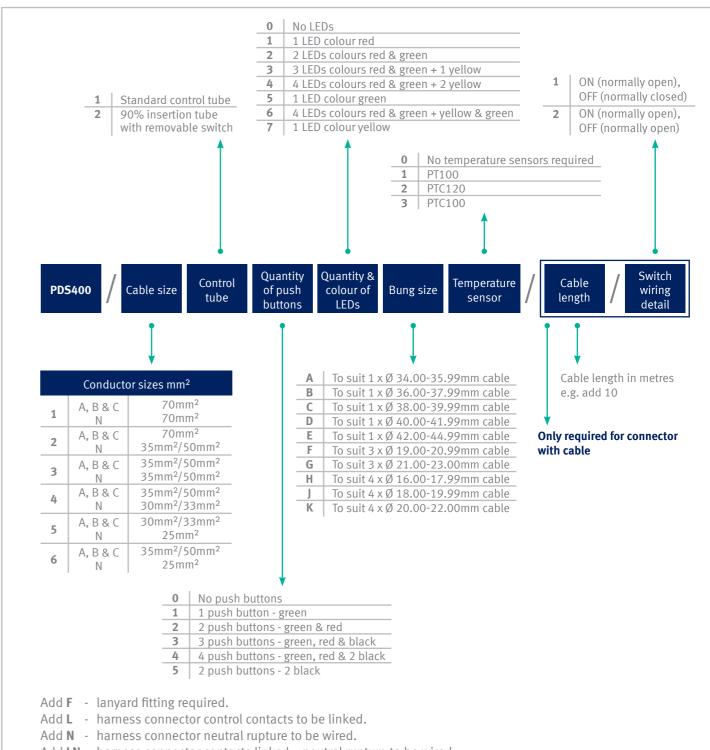
- High-voltage test: 4000 V
- Operating temperature: -25°C to
 +90°C (includes temperature rise)
- Mating forces: As per ISO 461 1
- Weight: 2.5 kg
- Applicable standards: ISO 461-1, ISO 461-2, BS 4G 173-1, VG 96966-1, MIL-C-7974 D
- Compatibility: Mates with ISO 461-2 and MS90362 receptacles



PDS400 Connector (400 Hz)



Part Number Configurator



Add LN - harness connector contacts linked + neutral rupture to be wired.

Example codes:

onnector only

PDS400/2143C2 - Cable size 70mm² A, B & C, 35/50mm² neutral, standard control tube, 4 push buttons, 3 LEDs, bung to suit cable size 1 X ø 38.00 – 39.99mm, PTC120 temperature sensors.

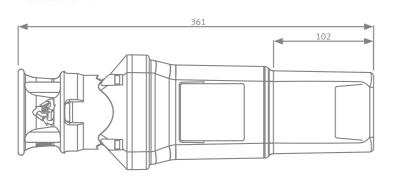
Connector with cable

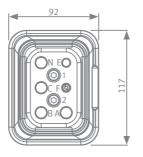
PDS400/2240J0/10/1 - Cable size $70 \text{mm}^2 \text{ A}$, B & C, $35/50 \text{mm}^2 \text{ neutral}$, 90% insertion tube, 4 push buttons, 0 LEDs, bung to suit cable size $4 \times \emptyset 18.00-19.99 \text{mm}$, no temperature sensor, 10m cable, switch wiring ON (Normally open) OFF (normally closed).



PD400 Connector (400 Hz)

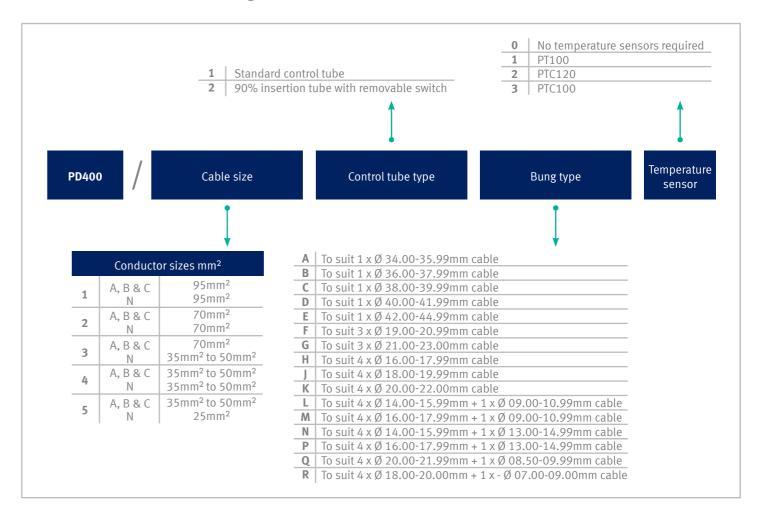






All dimensions in mm

Part Number Configurator



Supplied with detachable front nose

The PD400 connector is supplied with a detachable nose & replacement front contacts.

Features:

- Detachable power/control contacts and contact insulator (nose) are easy to maintain and replace
- Suitable for a wide range of composite and single core 400 Hz cables
- External components manufactured from impact, abrasion, and chemically resistant, thermally stable polymers
- Exterior replaceable handle/strain relief system
- IP66 & IP67 rated (no filler required)

 Optional temperature sensors fitted to A, B and C contacts can prevent overheating if wired correctly into Power Supply

Technical information:

- High conductivity silver-plated copper contacts
- Micro-switch (replaceable) located in F contact provides an indication once the connector has been 90% inserted into the mating receptacle (optional feature)
- Nominal voltage: 115/200 V, 400 Hz
- Current carrying capacity: 450 A (power), 35 A (control)

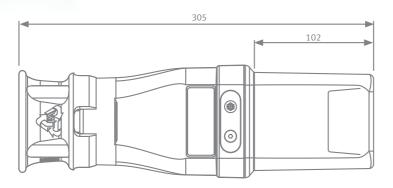
- Current overload: 1500 A for 1 min (power)
- High-voltage test: 4000 V
- Operating temperature: -25°C to +90°C (includes temperature rise)
- Mating forces: As per ISO 461-1
- Weight: 2.30 kg
- Applicable standards: ISO 461-1, ISO 461-2, BS 4G 173-1, VG 96966-1, MIL-C-7974 D
- Compatibility: Mates with ISO 461-2 and MS 90362 receptacles

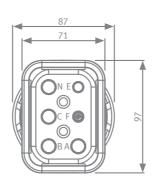
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P400 Connector (400 Hz)

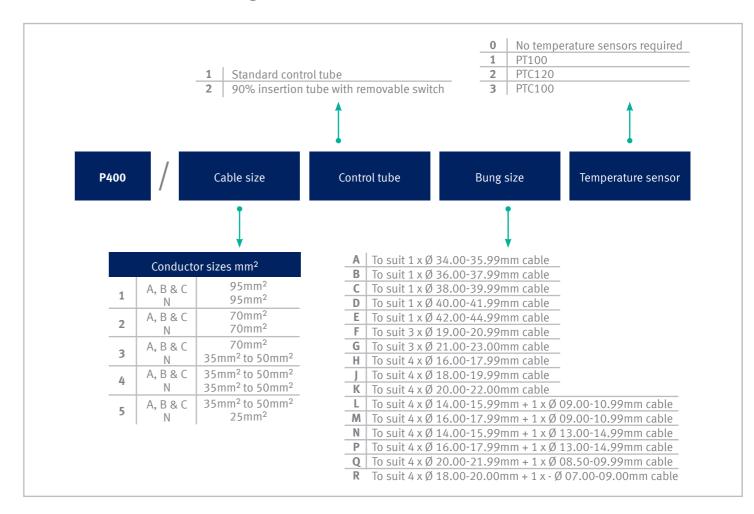






All dimensions in mm

Part Number Configurator



Supplied with fixed electrical contacts

The P400 connector comes with fixed electrical contacts, providing a cost-effective connection system to power aircraft.

Features:

- Easy connection to cable
- Low maintenance
- External components manufactured from impact, abrasion and chemically resistant, thermally stable polymers
- Suitable for a wide range of composite and single core 400 Hz cable
- Exterior replaceable handle/strain relief system
- IP66 & IP67 rated (filler not required)

 Optional temperature sensors fitted to A, B and C contacts can prevent overheating if wired correctly into Power Supply

Technical information:

- High conductivity silver plated copper contacts
- Nominal voltage: 115/200 V, 400 Hz
- Current carrying capacity: 450 A (power), 35 A (control)
- Current overload: 1500 A for 1 min (power)

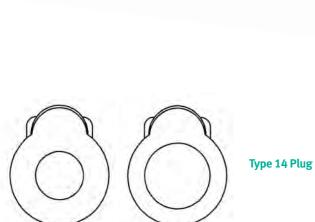
- High-voltage test: 4000 V
- Operating temperature: -25°C to
 +90°C (including temperature rise)
- Weight: 2.45 kg
- Applicable standards: ISO 461-1, ISO 461-2, BS 4G 173-1, VG 96966-1, MIL-C-7974 D
- Compatibility: Mates with ISO 461-2 and MS 90362 receptacles

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Connector Plugs (400 Hz)









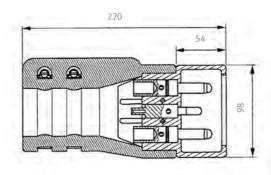
400 Hz Plug Spare Parts

5 Single Core Cable Types

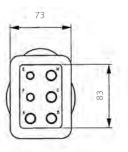
Plug order ref	Cable dia mm min/max	Cable size mm²	Front half plug	Rear half assembly	Power pin	Control pin	5 hole bung
15/1	14.5/18.0	4 X 95	28727	27589	28377	26675	28721
15/2	18.0/21.0	4 X 95	28727	27589	28377	26675	18286
15/3	14.5/18.0	4 X 70	27299	27589	26674	26675	28721
15/4	18.0/21.0	4 X 70	27299	27589	26674	26675	18286
15/5	11.0/14.5	4 X 50/35	28726	27589	27884	26675	27628
15/6	14.5/18.0	4 X 50/35	28726	27589	27884	26675	28721
15/7	18.0/21.0	4 X 50/35	28726	27589	27884	26675	18286

Composite Cable Types

Plug order ref	Cable dia mm min/max	Cable size mm²	Front half plug	Rear half assembly	Power pin	Control pin
14/1	44.0/52.0	4 X 95	28727	27592	28377	26675
14/2	44.0/52.0	4 X 70	27299	27592	26674	26675
14/3	34.0/43.0	4 X 50/35	28726	27236	27884	26675
14/5	34.0/43.0	3 X 35/50	-	27236	3 x 27884	26675
		1 X 25			1 x 44388	
14/6	34.0/43.0	3 X 70	44959	27236	3 x 26674	26675
		1 X 35/50			1 x 27884	
14/7	34.0/43.0	4 X 70	27299	27236	26674	26675



Type 14 Plug



All dimensions in mm

Features

- Rear assemblies complete with screw clips, clamping plates, nuts & holts
- Front assemblies complete with power & control pins or tubes
- Contacts can be either crimped or soldered
- Available with protection cap (part number - 29598)

- Plug weight: 1.9kg
- Exterior material: CSPE

Technical information:

- High-voltage test: 4000 V
- Operating temperature: -25°C to +90°C (including temperature rise)

Power components

- 450 amps, maximum continuous current
- 1500 amps for maximum 1 minute

Control components

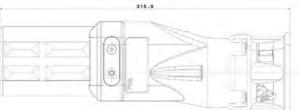
35 amps maximum continuous current

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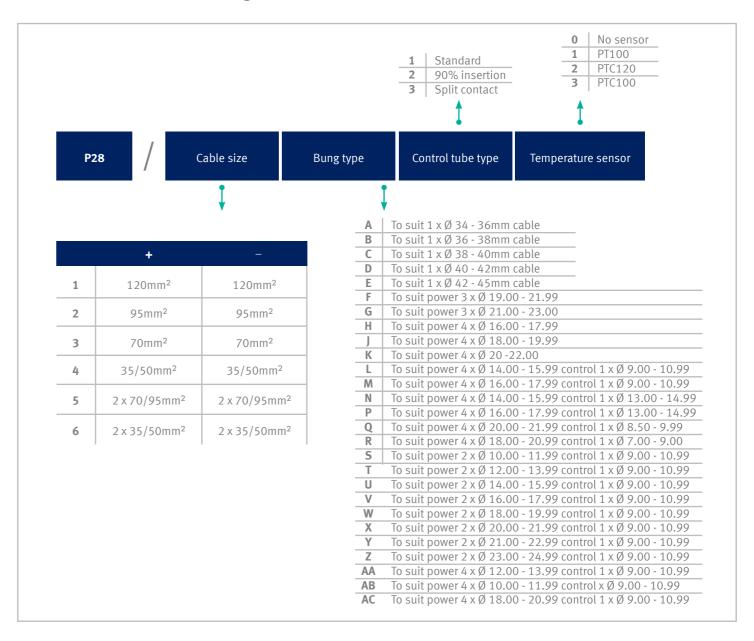


P28 Connector (28VDC)





Part Number Configurator



Supplied with fixed electrical contacts

The P28 connector comes with fixed electrical contacts, providing a cost-effective connection system to power aircraft. Suitable for a wide range of composite, 3 or 5 core cable types.

Features:

- Easy connection to cable
- Low maintenance
- IP66 & IP67 rated (no filler required)
- Suitable for a wide range of composite and single core cables
- External components manufactured from impact, abrasion and chemically resistant thermal stable polymers
- Exterior handle / stain relief system
- High conductivity silver-plated copper contacts

Technical information:

- Nominal voltage: 28VDC
- Current carrying capacity: 450 A (power), 35 A (control)
- Current overload: 1500 A for 1 minute (power)

- High voltage test: 4000 V
- Operating temperature: -25°C to +90°C (includes temperature rise)
- Applicable standards: ISO 461-1, ISO 461-2, VG 96966 and MIL-C-7974 D

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Overall weight: 1.2kg



28VDC 3 Pole Plugs







Type 20 Plug



Type 21 Plug



Type 23 Plug

28VDC Plug Spare Parts

Composite Cable Types

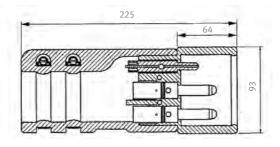
Plug order ref	Cable size mm²	Cable dia mm min/max	Single end plug front	Rear half	Power pin
				011	
20/A	2 X 120	41/54	28711	28703	28707
20/B	2 X 95	41/54	28712	28703	28708
20/C	2 X 70	29/40	28713	28701	28709
20/D	2 X 50/35	29/40	28714	28701	28710

3 Single Core Cable Types

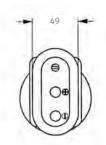
Plug order ref	Cable size mm²	Cable dia mm min/max	Single end plug front	Rear half	Power pin	3 hole bung
				111	A	
			00	180	4	
21/1	2 X 120	15.5/20.0	28711	28723	28707	28678
21/2	2 X 120	20.0/24.5	28711	28723	28707	28679
21/3	2 X 120	24.5/29.0	28711	28723	28707	28680
21/4	2 X 95	15.5/20.0	28712	28723	28708	28678
21/5	2 X 95	20.0/24.5	28712	28723	28708	28679
21/6	2 X 95	24.5/29.0	28712	28723	28708	28680
21/7	2 X 70	11.0/15.5	28713	28723	28709	28677
21/8	2 X 70	15.5/20.0	28713	28723	28709	28678
21/9	2 X 70	20.0/24.5	28713	28723	28709	28679
21/10	2 X 50/35	11.0/15.5	28714	28723	28710	28677
21/11	2 X 50/35	15.5/20.0	28714	28723	28710	28678
21/12	2 X 50/35	20.0/24.5	28714	28723	28710	28679

5 Single Core Cable Types

Plug order ref	Cable size mm²	Cable dia mm min/max	Double end plug front	Rear half	Double power pin	5 hole bung
				all a		
			- TOP	100	•	
23/3	4 X 70/95	14.5/18.0	28717	28723	28715	28721
23/4	4 X 70/95	18.0/21.0	28717	28723	28715	18286
23/5	4 X 50/35	11.0/14.5	28718	28723	28716	27628
23/6	4 X 50/35	14.5/18.0	28718	28723	28716	28721
23/7	4 X 50/35	18.0/21.0	28718	28723	28716	18286



All dimensions in mm



Supplied with fixed electrical contacts and control contacts

Suitable for a wide range of composite, 3 or 5 core cable types.

Features:

- Composite, 3 or 5 single core harness entry
- Split control pins
- Rear assemblies complete with screw clips, clamping plates, nuts & bolts
- Front assemblies complete with power & control pins or tubes
- Single contacts can be either crimped or soldered (double contacts must be soldered).
- Exterior material: CSPE

Technical information: Power components

- 450 amps, maximum continuous
- 1500 amps for maximum of 1 minute

Control components

- 35 amps continuous current
- Applicable standards: ISO 461-1, ISO 461-2, BS 4G 173-1
 - Compatibility: mates with ISO 461-2





Bespoke assemblies and cable harnesses to meet customer requirements

Extension Harness (EH), Power Harness (PH) and Dual Harness (DH) options available.

Features:

- Composite, 3 single core or 5 single core cable options
- 115 200VAC 400 Hz and 28VDC
- Quick assembly using standard stock items
- Cable length can be specified
- Lanyard fitting option available



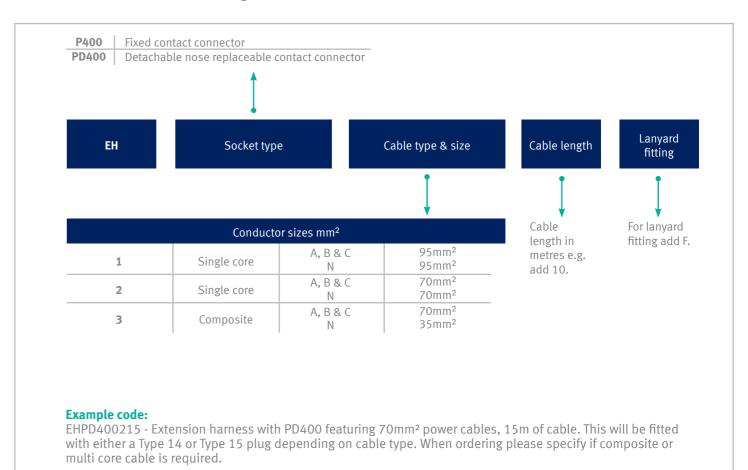
Extension Harness (EH)



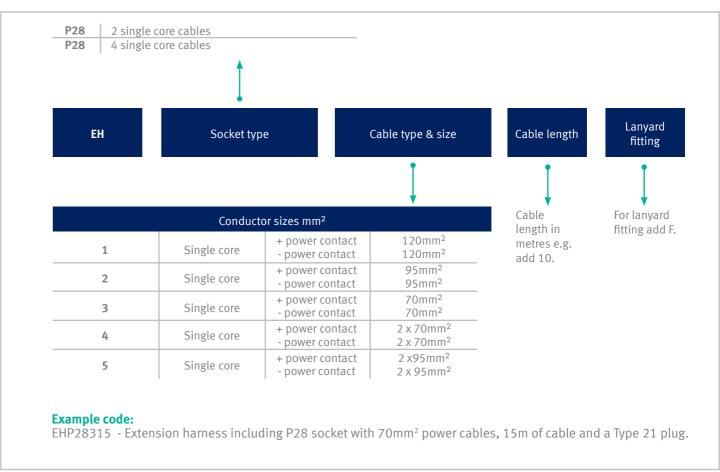
400 Hz Single Core Extension Harness with P400 & Type 15

28VDC Extension Harness supplied with P28 connector and 28VDC plug.

Part Number Configurator - 400 Hz



Part Number Configurator - 28VDC





Power Harness (PH)



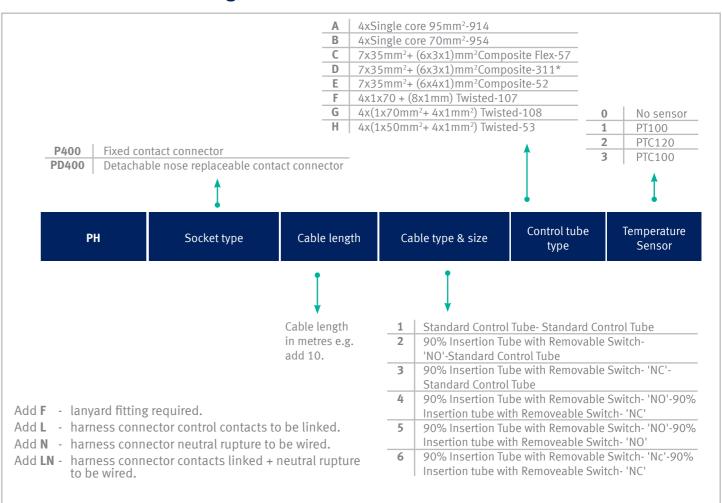


400 Hz Composite Cable Harness & PD400

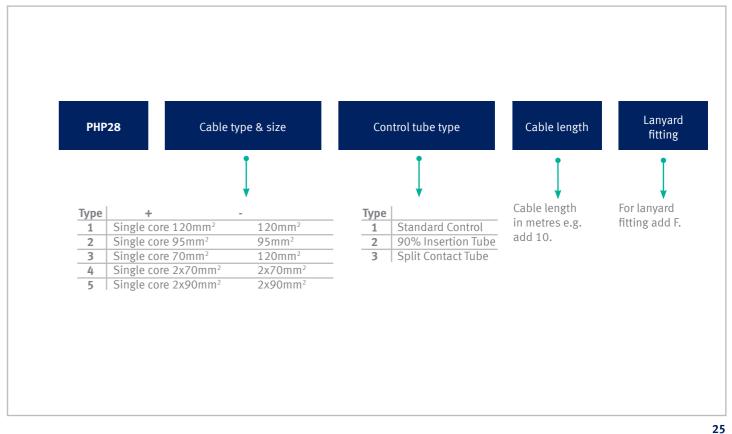
Also available:

28VDC Power Harness supplied with P28 connector and 28VDC plug.

Part Number Configurator - 400 Hz



Part Number Configurator - 28VDC



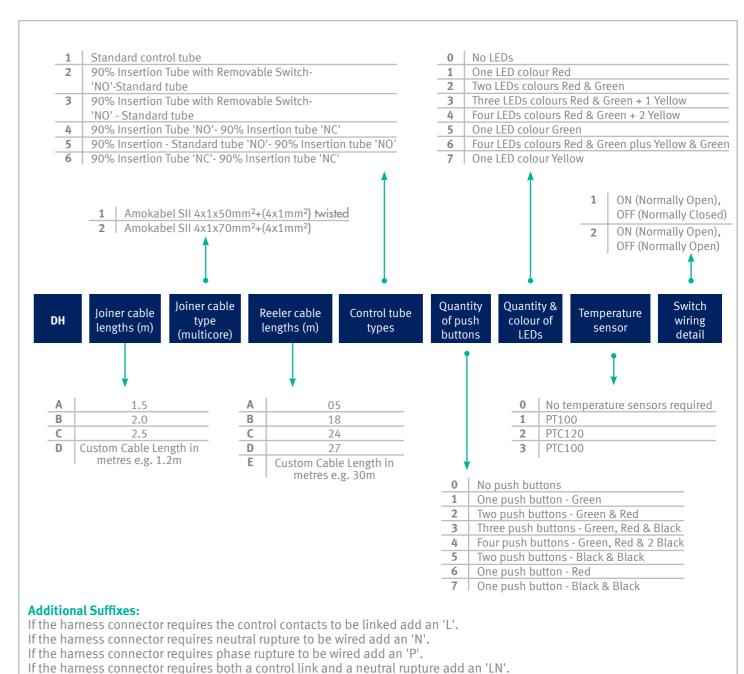


Dual Harness (DH)



Dual Harness with PJS400 & PDS400 complete with Exohook

Part Number Configurator



Cable Harness Storage Stand (PCR100)

Designed for use in the hanger or on the airport apron.

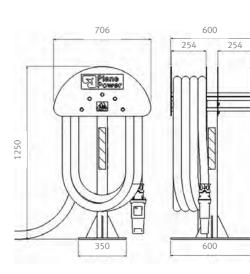
If the harness requires a lanyard to be fitted add an 'F'.

Features:

- 2 part bolted and welded aluminium construction
- Suits multicore and composite cables
- Holds 100kg per side (maximum)
- Bright yellow finish and fitted with high visibility reflective tape



If the harness connector requires both a control link, neutral rupture and phase ruptured add an 'LNP'.

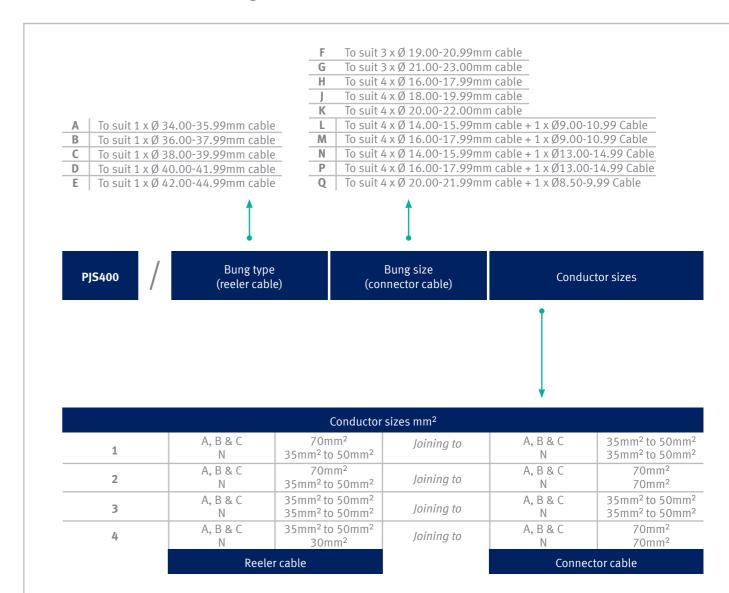




PJS400 Junction Sleeve (400 Hz)



Part Number Configurator



Example code:

PJS400/EH2 - This configuration joins single composite cable with outer diameter from 42.00mm to 44.99mm with conductor sizes of 70mm² (A, B and C) and 35-50mm² (neutral) to 4 single core cables with outer diameters of 16.00-17.99mm with conductor sizes of 70mm² (A, B and C) and 70mm² (neutral).

The PJS400 Junction Sleeve (400 Hz) is designed to connect composite cable to multicore cable. Configured to meet customer requirements, it is low maintenance and impact resistant.

Features:

- Provides safe and robust connection of differing cable types
- Ideal for use with cable retrievers/ reelers
- Power supplies using composite cable can be joined to more flexible single core cable at the connector end
- External components manufactured from impact, abrasion and chemically resistant, thermally stable polymers
- Suitable for a wide range of composite and single core 400 Hz
- Exterior replaceable handle/strain relief system
- IP66 & IP67 rated (filler not required)
- Exohook supplied with the PJS400

Technical information:

- Configurable bungs to suit industry standard cables
- Supplied with connector hanging bracket

- Nominal voltage: 115/200 V, 400 Hz
- Current carrying capacity: 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 (including temperature rise)
- Weight: 1.7 kg uncabled and not filled

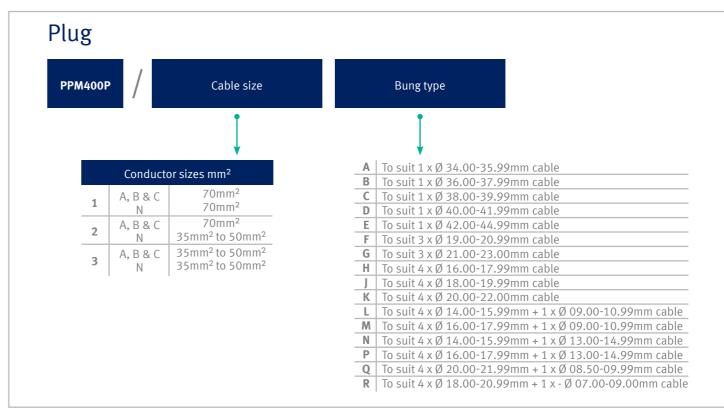
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PPM400 Panel Mount Connector (400 Hz)



Part Number Configurator





The PPM400 panel mount connector (400 Hz) provides a safe and robust connectorised solution for cable exiting enclosures. Configured to meet customer requirements, it is low maintenance and impact resistant.

Features:

- High conductivity copper contacts, Power silver plated, Controls gold
- Connector sealed to IP66 / IP67 when engaged (filler not required)
- Suitable for a wide range of composite and single core cables
- External components manufactured from impact, abrasion and chemically resistant thermally stable polymers
- Exterior handle / strain relief system

- Provided with A, B, C & N power contacts and up to 24 control contacts
- Optional cover & socket protection
- Polarity can be reversed using control contacts for First Break last mate to ensure safety

Technical information:

- Nominal voltage: 115/200 V, 400 Hz
- Current carrying capacity: 450 A (power), 35 A (control)

- Current overload: 1500 A for 1 minute (power)
- High voltage test: 4000 V
- Operating temperature: -25°C to +90°C (includes temperature rise)
- Mating forces: As per BS 4G 173
- Applicable standards: ISO 461-1 and BS 4G 173

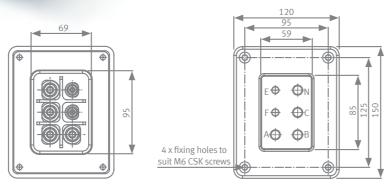
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Overall weight: 2.5kg



PFR400 Flanged Receptacle





All dimensions in mm



Easy connection to cable & low maintenance

Features:

- External components manufactured from impact, abrasion and chemically resistant, thermally stable polymers
- Connector interface ISO 461 compliant
- Threaded connections to suit standard lugs M8 power, M6 E & F
- Supplied with conformal gasket
- Low profile

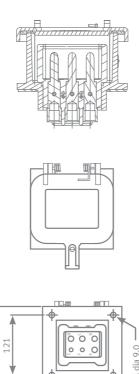
Technical information:

- High conductivity silver plated copper contacts
- Easy cable attachment
- Replaceable contacts
- Nominal voltage: 115/200 V, 400 Hz
- Current carrying capacity: 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 (including temperature rise)
- Weight: 1 kg
- Compatibility: Mates with ISO 461-2 and MS 90362 receptacles

400 Hz Flanged Plug & Socket





All dimensions in mm

115-200VAC 400 Hz 6 Pole - Plug

Plug order ref	Cable size mm²	Front half plug assembly	Power pin	Control pin
			A STATE OF THE STA	
18/1	4 x 95	28727	28377	26675
18/2	4 x 70	27299	26674	26675
18/3	4 x 50/35	28726	27884	26675

115-200VAC 400 Hz 6 Pole - Socket

Socket order ref	Cable size mm²	Front half socket assembly	Power tube	Control tube
				1
10/1	4 x 95	28845	27920	26374
10/2	4 x 70	27298	26373	26374
10/3	4 x 50/35	27418	27089	26374



Foaturos

- Cast aluminium alloy housing & lid
 Epoxy powder coated grange or
- Epoxy powder coated orange or black finish
- Interior compliant to ISO 461
- Assemblies complete with power & control pins or tubes
- Lid incorporates connector retaining tongue with padlocking facility
- Rated to IP54

- Single contacts can be either crimped or soldered. Double-ended contacts must be soldered
- Connector material: CSPE

Technical information:

Power Components

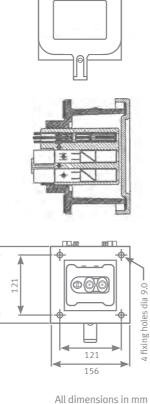
- 450 A maximum continuous current
- 1500 A for maximum 1 min

Control Components

- 35 A maximum continuous current
 - All flanged plugs have a split control pin (part number - 29176) and all flanged sockets have a split control tube (part number -13196)

28VDC Flanged Plug & Socket





28VDC 3 Pole - Plug

Plug order ref	Cable size mm²	Single end plug front	Single end pin	Double end plug front	Double end pin
			S		A
		200		Els.	4
19/1	2 x 120	28711	28707	-	-
19/2	2 x 95	28712	28708	-	-
19/3	2 x 70	28713	28709	-	-
19/4	2 x 50/35	28714	28710	-	-
19/6	4 x 95/70	-	-	28717	28715
19/8	4 x 50/35	-	-	28718	28716

28VDC 3 Pole - Socket

Socket order ref	Cable size mm²	Single end socket front	Single end tube	Double end socket front	Double end tube
		49		13	
			I	100	
16/1	2 x 120	28682	28686	-	-
16/2	2 x 95	28683	27920	-	-
16/3	2 x 70	28684	26373	-	-
16/4	2 x 50/35	28685	27089	-	-
16/6	4 x 95/70	-	-	28704	21362
16/8	4 x 50/35	-	-	28705	28706



Features:

- Cast aluminium alloy housing & lid
- Epoxy powder coated orange or black finish
- Interior compliant to ISO 461
- Assemblies complete with power & control pins or tubes
- Lid incorporates connector retaining tongue with padlocking facility
- Rated to IP54

- Single contacts can be either crimped or soldered. Double-ended contacts must be soldered
- Connector material: CSPE

Technical information: Power Components

- 450 A maximum continuous current
- 1500 A for maximum 1 min

Control Components

- 35 A maximum continuous current
- All flanged plugs have a split control pin (part number - 29176) and all flanged sockets have a split control tube (part number -

Flanged Connector Mounting Boxes





IP54 rated with flanged connector installed

Features:

- Designed for use with flanged connector Types 10, 16, 18 & 19
- IP54 rated with flanged connector installed
- Manufactured in mild steel and
- zinc sprayed, with a polyester powder coated orange or black finish
- Cuboid design with side entry allows orientation to meet installation requirements
- Type 27121 gland plate accommodates most cable types and sizes
- Type 27121 supplied with flange connector fixing bolts
- Type 27012 supplied with fixing bolts and sealing gasket

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All dimensions in mm



Spares & Accessories



We offer a range of spares and accessories to support our customers. To find out more or check stock availability contact us on sales@lpa-connect.com and +44 (0)1799 512800.

Spares & Accessories

Spare part	Name & description	Part No.	Spare accessory for
60,00	Connector nose	54357	PDS400 PD400
	Handle assembly With screws and washers	54466	PDS400 PD400 P400 PJS400
	Black switch With fixing nut and switch cover	54469	PDS400
	Green switch With fixing nut and switch cover	54468	PDS400
	Red switch With fixing nut and switch cover	54467	PDS400
	LED lights With spring washer and O ring Red Green Yellow	54470 54471 54472	PDS400

Spares & Accessories

Spare part	Name & description	Part No.	Spare accessory for
	Switch cover Replaceable silicone switch boot	53765	PDS400
	Control tube front half assembly	54354	PDS400 PD400
	Power tube front half assembly	54355	PDS400 PD400
	90% insertion tube front half assembly	54449	PDS400 PD400 P400
	90% insertion tube switch	52544	PDS400 PD400 P400
	Aircraft socket assembly kit	51722	PDS400 PD400 P400 P28

Spares & Accessories

Spare part	Name & description	Part No.	Spare accessory for
	Exohook Hanging hook for the PDS400/PJS400 when used with the PJS400 and PD400	54657	PDS400 PD400
	Aircraft contact testing kit	52138	Inspection and testing kit for Plane Power 400Hz and 28VDC aviation connectors
	Socket protection cap DC socket	54749 29597	PDS400 PD400 P400 P28
	protection cap		
	Plane Power lanyard assembly	55426	Designed to reduce the strain on the aircraft socket caused by the weight of the power cable harness.

P28 Spares	Part No.
Contacts 120mm² 95mm² 70mm² 35/50mm² 2x70/95mm² 2x35/50mm² Control - Standard Control - 90% NO	55160 54475 53773 54455 55168 55167 55117
Control - 90% NC Nose	TBA 55170

P28 Spares	Part No.
Nose sub-assemblies	
120mm ²	55080/1
95mm²	55080/2
70mm ²	55080/3
35/50mm ²	55080/4
2x70/95mm ²	55080/5
2x35/50mm ²	55080/6
Body	55171
Sensor Kit PT100	55754
Sensor Kit PTC100 Sensor Kit	55755
PTC100	55756
Retaining Peg	55132
Oring	54985
Retaining plate Screw	54986

Technical Information

NATO Stock References

Performance and dimensions of LPA Connection Systems aviation ground power supply connectors comply with BS ISO 461-1, BS ISO 461-2 and to appropriate MOD and NSN standards.

General assembly:

Tubes and pins are retained in moulded plastic or rubber housings by stainless steel circlips or nylon fixing pins. Front and rear housings are secured together by stainless steel fixings, thus facilitating disassembly and easy access to pins and tubes when attaching the cable. The connector is secured to the cable by two stainless steel screw clamps or by pot and bung design, providing excellent strain relief and weatherproof seal.

A heat shrink sleeve covering the cable entry and rear housing can be supplied as an option.

All P series connectors are independently certified to IP66/67 and are CE marked.

Front and rear housings:

Housings are moulded or machined from glass reinforced nylon, nitrile PVC or CSPE, compounds selected for their resistance to UV light, moisture, chemicals abrasion and other hazards / wear and tear associated with aircraft maintenance areas, with a temperature range of -40°C to +100°C.

Power & control pins & tubes:

Pins and tubes are machined from copper and silver plated to ensure excellent electrical conductivity. Tubes incorporate a spring mechanism ensuring positive electrical contact in accordance with ISO461-2, MIL-C-7174 D and MIL-C7974 D.

Cable termination:

Power pins and tubes:

With the exception of the P28 connectors where 4 power cables are selected, which must be soldered, power pins and tubes may be connected to cables by soldering

or crimping. Termination guide (Ref 29273) available on request.

Control pins and tubes:

Control tubes and pins may be connected to cables by soldering or crimping. The electrical and load test approvals to ISO 461 require the use of the appropriate crimping dies as shown in the product selection charts. Conductors under 2mm2 will require doubling over to provide a satisfactory crimped connection.

Crimping tests have been conducted using conductor sizes shown in tables in BS 638. Oversheath dimensions are for power cables to BS 638, BS 6004 and BS 6007. Control cables are to BS 6500.

Heat shrink sleeves, supplied as standard by LPA, should be fitted over the connection and cable end of all power pins and tubes.

LPA Group Plc reserves the right to modify designs and specifications so as to permit the incorporation of technical developments.

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5935-99-393-4883	P400/21M				
5935-99-340-3621	P400/21L				
5935-99-495-1220	P400/21E				
5935-99-368-1700	P400/41A		_	The state of the s	
5935-99-349-7070	P400/21F			100000	
5935-99-671-7647	P400/22M	The sales of the s		-	
5935-99-564-4321	P400/22P	-	The same of the sa	The same of the same of	
5935-99-344-4526	PD400/21M			Section 1997	
998475867	Type 10/1	TOWN THE TANK	-		
5935-99-608-3168	Type 10/2		The second second		
5935-99-282-4558	Type 18/2				
5935-99-810-3422	Type 15/4		The same of	BURN THE PARTY OF	
992586194	Type 16/6		The World Co.	Contract of the last of the la	

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ISO 14001 Environmental Management



EMS 758363 FM 01660

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