

Amphenol



This range has been specially designed for amplifier to loudspeaker connections. The polarity configuration being POSITIVE, DRAIN, NEGATIVE. Visual color coding insert with matching boot/backshell (blue or white) can be used for either channel selection and/or cable identification purposes. AC-PDN 11 & 31 are recommended for live source applications (amplifiers). AC-PDN 12 & 34 are recommended for load applications (speakers).

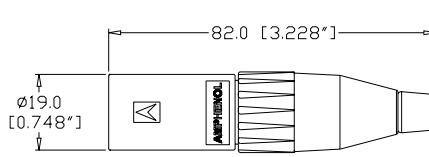
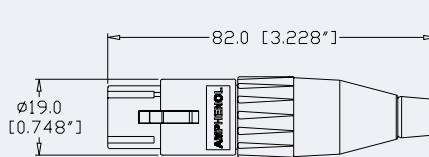
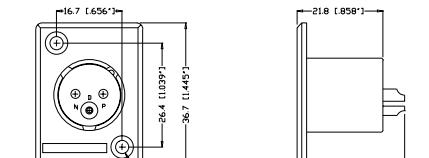
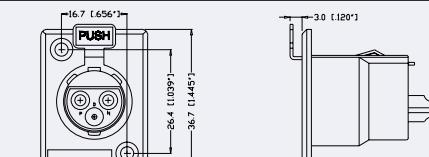
Features:

- Solder Bucket connections.
- Designed for 25 Amps RMS usage.
- "Jaws" Cable Retention System, Max. Cable O.D. 8mm (0.351")
- Precision machined contacts accept up to 4mm² (12AWG) conductors.
- Quick and easy assembly – by hand or portable termination tool (Part Number T2860.)

Options: White or Blue housing and insert colour. Std. Jaws cable clamp.

Specifications: [Page 52](#)

Panel Cutouts: [Page 26](#)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		Dimensions in mm (inches)	PDN male, Cable connector, Positive, Negative, Drain contacts, Thermoplastic shell, Large Jaws cable clamp	Blue housing	AC-PDN-12-BLU
				White housing	AC-PDN-12-WHT
		Dimensions in mm (inches)	PDN female, Cable connector, Positive, Negative, Drain contacts, Thermoplastic shell, Large Jaws cable clamp	Blue housing	AC-PDN-11-BLU
				White housing	AC-PDN-11-WHT
		Dimensions in mm (inches)	PDN male, Chassis mount, Positive, Negative, Drain contacts, Thermoplastic shell	Blue housing	AC-PDN-34-BLU
				White housing	AC-PDN-34-WHT
		Dimensions in mm (inches)	PDN female, Chassis mount, Positive, Negative, Drain contacts, Thermoplastic shell	Blue housing	AC-PDN-31-BLU
				White housing	AC-PDN-31-WHT





AC SERIES CONNECTORS

PDN TYPE

Amphenol

STANDARD DATA AC-PDN CONNECTORS

		VALUE
GENERAL CHARACTERISTICS	Number of contacts	2 + Drain
	PDN Contact Arrangement (Front View of Socket & Pin Insert)	 
	Termination	Solder
	Max. Wire Gauge - Stranded wire:	
	Power	12AWG
	Drain	19AWG
ELECTRICAL CHARACTERISTICS	Flammability rating of plastics	UL94V-0
	Service Voltage RMS	133V ¹⁾ NOTE: Do not use this series of connectors for mains applications. The drain contact dimensions make it unsuitable for use as an earth contact.
	Test Voltage AC RMS	1400V
	Current carrying capacity:	7.5A
	Typical Contact Resistance	≤ 3mΩ
	Insulation Resistance	≥ 1GΩ
CLIMATIC CHARACTERISTICS	Protection Class	IP40
	Operating Temperature	-25 °C to +75 °C (-13°F to +167°F)
MECHANICAL CHARACTERISTICS	Insertion and Withdrawal Force	≥ 10N - ≤ 30N
	Weight - Thermoplastic ²⁾	19g (0.041lb)
	Typical Cable Retention Force	22Kg to 44Kg (50lb to 100lb)
	Cable O.D. Range - JAWS Clamp	6.5 mm to 8mm (0.255" to 0.314") - Standard 3 mm to 6.5 mm (0.118" to 0.255") - Optional - Contact us
	Mechanical Operations	1000 mating cycles
MATERIALS	Connector Shell	Thermoplastic, UL94V-0 Modified PPE Resin
	Shell Colour	Black
	Insulators	UL94V-0 PBT Resin or Modified PPE Resin
	Contact	Brass / Silver or Gold (optional)

¹⁾ Not suitable for domestic applications above 50V²⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.