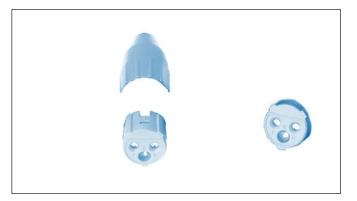
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PDN TYPE

• Thermoplastic Shells



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 72 Panel Cutouts: Page 33

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	Ø19.0 [0.748']		PDN male, Cable connector, Positive, Negative, Drain contacts, Thermoplastic shell, Large Jaws	Blue housing	AC-PDN-12-BLU
			cable clamp	White housing	AC-PDN-12-WHT
	Ø19.0 [0.748']		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
S	167 (1656')		PDN male, Chassis mount, Positive, Negative, Drain contacts, Thermoplastic shell	Blue housing	AC-PDN-34-BLU
	272 (1070') - 90'TO #57(#)224') -273 (1075') -	131'K2K 140'824'1 - 273 (1075') -		White housing	AC-PDN-34-WHT
CO.	16.7 (1655") 10.00 10	1000 C (1801)	PDN female, Chassis mount, Positive, Negative, Drain contacts, Thermoplastic shell	Blue housing	AC-PDN-31-BLU
		a (3/1) CSX + -2.4 (694') 330 (1299')		White housing	AC-PDN-31-WHT

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STANDARD DATA AC-PDN CONNECTORS

		VALUE		
GENERAL Characteristics	Number of contacts	2+Drain		
	PDN Contact Arrangement (Front View of Socket & Pin Insert)	Socket		
	Termination	Solder		
	Max. Wire Gauge - Stranded wire: Power Drain	12AWG 19AWG		
	Flammability rating of plastics	UL94V-0		
	Environmental	Complies with RoHS Directive 2002/95/EC		
ELECTRICAL CHARACTERISTICS	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		
	Contact Plating	Silver or Gold (optional)		

₂) Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

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