

Professionally approved products.

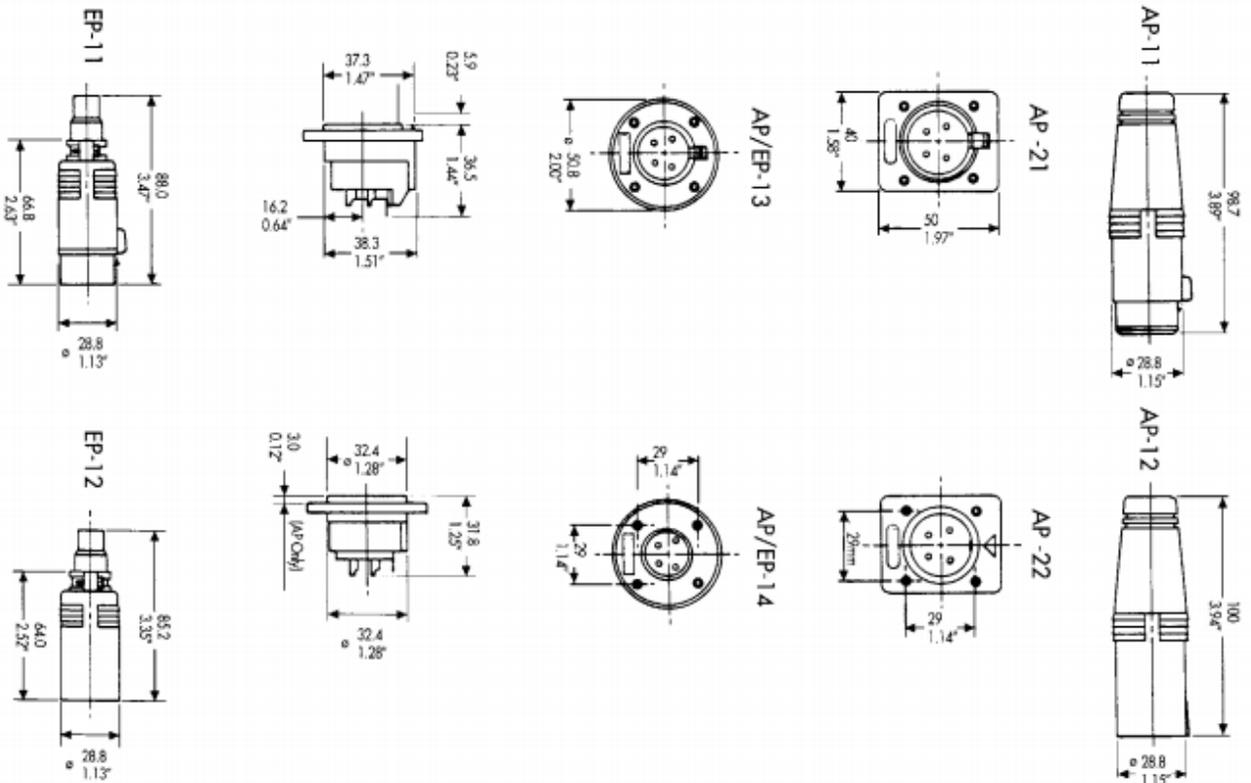
Datasheet

4 Way Female Cable Mount Loudspeaker Connector, 20A

RS Stock 460-222



Dimensions: (mm)



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Datasheet

AP SERIES

The AP Series of audio connectors manufactured from tough, durable thermoplastic, capable of withstanding the roughest treatment.

Enlarged cable entry is suitable for cable from 11 mm (0.43") to 17mm (0.67") and the convenient internal grub screw cable clamping system makes the AP connectors quick and easy to assemble.

A specially designed cable bushing serves to minimise cable bending stress and prevent moisture entering the connector.

The panel mount versions are sealed for simplified loudspeaker cabinet design.

The AP Series is available in four different contact layouts (4, 5, 6 & 8) and is completely intermateable with the EP Series.

EP SERIES

The EP Series incorporates a rugged zinc diecast shell to give it maximum durability when used in tough situations. Five different contact configurations (3,4,5,6 or 8) are available.

The EP straight cord plug cable flex relief design minimises cable bend stress at point of entry into the connector housing. Two different cable relief sizes are available to ensure firm cable support for both large and small cable diameters. The cable clamp is capable of supporting cables from 9mm (0.35") to 16mm (0.63") in diameter.

LINE FEMALE

AP-*-11

LINE MALE

AP-*-12

SHELL

Thermoplastic

COMMENTS

4, 5, 6 & 8 Machined contact arrangements - bright tin plating

FEMALE RECEPTACLE

AP-*-21
AP-*-13

MALE RECEPTACLE

AP-*-22
AP-*-14

Thermoplastic
Thermoplastic

4, 5, 6 & 8 Machined contact arrangements - bright tin plating

LINE FEMALE

EP-*-11P

LINE MALE

EP-*-12

Diecast - Nickel or
Black Finish

3, 4, 5, 6 & 8 Machined contact arrangements - bright tin plating
Add suffix B for Black finish

FEMALE RECEPTACLE

EP-*-13P

MALE RECEPTACLE

EP-*-14

Diecast - Nickel or
Black Finish

3, 4, 5, 6 & 8 Machined contact arrangements - bright tin plating
Add suffix B for Black finish

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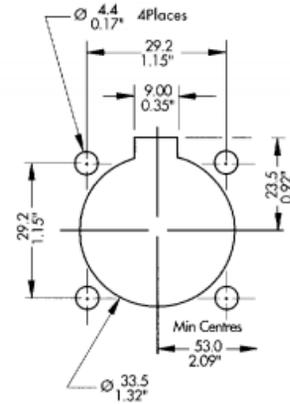
Standard Data

	AP	EP
Cable OD Range	11mm to 17mm (0.43" to 0.67")	9mm to 16mm (0.35" to 0.63")
Cable Retention Force	Typically 22 to 44Kg (50 to 100lb) (Depending on Cable Material and Diameter)	
Retention Method	2 Opposing Plastic Screws on 11 & 12 only	Metal Saddle Clamp
Shell	Modified PPE Resin Black	Diecast Zinc Alloy Satin Nickel or Black Polyester
Insulators	UL94V-0 PBT Resin	UL94V-0 PBT Resin
Contacts	Precision machined Brass - Bright Tin - Solder Cup	
Cable Bushing	Silicon Rubber	UL94HB Thermoplastic Elastomer
Operating Temperature	-25°C to +75°C	-25°C to +75°C
Contact Resistance	≤ 3mΩ	≤ 3mΩ
Insulation Resistance	≥ 10 ³ MegΩ	≥ 10 ³ MegΩ
Connector Insertion / Withdrawal Force	≥ 10N / ≤ 30N	

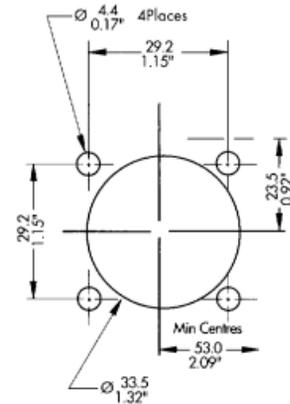
AP/EP Series

Panel cut-out data

EP 13/AP 13/AP 21



EP 14/AP 14/AP 22



AP / EP Series Arrangements

	EP - 3	AP/EP - 4	AP/EP - 5	AP/EP - 6	AP/EP - 8
Face View of Pin Inserts					
Test Voltage AC RMS	2400	3000	1600	1600	1300
Service Voltage RMS	460	660	200	200	100
Current Ratings Amps	20	20	20	20	15
AWG Stranded Wire	12AWG	12AWG	12AWG	12AWG	14AWG

(Not suitable for domestic applications above 50V)