





# 44 44Series™

## Thermoplastic Rubber Circular Connectors



Available in 1, 2, 3, 4, 5 and 6 position

Amphenol Sine Systems' **44 Series™ Thermoplastic Rubber Circular Connectors** are a one-piece, high-performance, cost-effective solution impervious to water, fuel, lubricants, ozone, road salt and other environmental impacts. Our 44 Series™ is vibration-resistant and field-proven for indoor/outdoor, rugged applications.

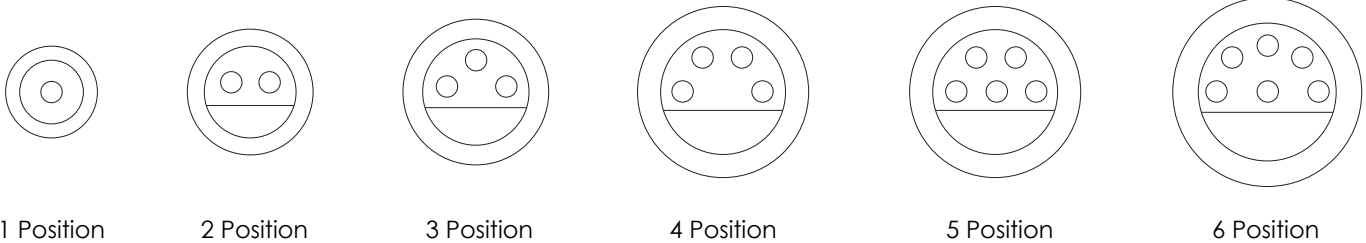
### Key Features

- IP65/67 rated (Mated)
- 14-18AWG Wire Range
- 3 Liquid-Proof Seals (Primary, Secondary and Wire)
- Quick and easy assembly/mating
- Protection against mismatching
- Discrete wire interconnection



**Potential Applications:** Automotive, Military, Marine, Heavy Equipment, Industrial, Traffic Control Equipment, as well as other demanding interconnect applications

### 44 Series™ - Insert Configurations

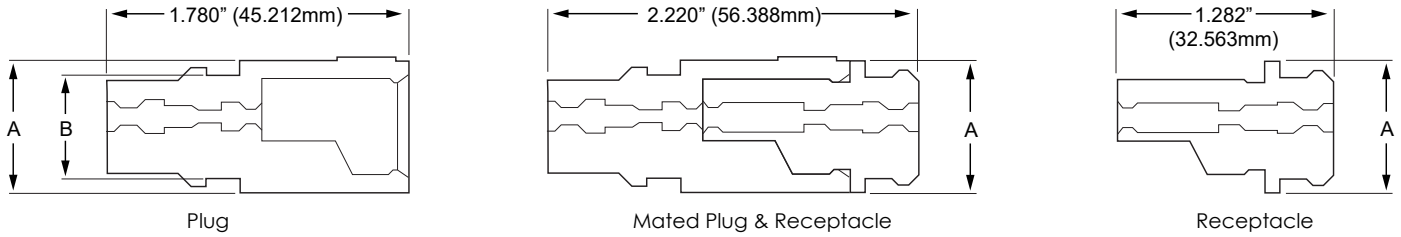


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44 Series™ - Technical Specifications

Temperature Range	-40°C to +105°C	Overall Wire Insulation Dia.	0.080" to 0.130" (2.03mm to 3.30mm)
Max. Current (Amperage)	8A	Contacts	Tinned, Copper-Alloy
Voltage Rating	250V	Contact Retention	Axial Displacement of Contact < 0.03" (0.762mm)
Impulse Withstand Voltage	1000V	Insulation Material	Santoprene, Thermoplastic Rubber
Insulation Resistance	> 5000mΩ	Strain Relief	For free connectors, the wires have to be prevented against push/pull-forces and from rotation at the connection area
Contact Resistance	< 30mΩ	RoHS Compliant	
Max. Mating Cycles	> 25	Approvals	
IP Rating	IP65/67 (mated)		
Wire Range	14-18AWG (1.0mm <sup>2</sup> - 2.5mm <sup>2</sup> )		

44 Series™ - Dimensions




No. of Contacts	A Dimension	B Dimension
1	0.497" (12.624mm)	0.440" (11.176mm)
2	0.607" (15.418mm)	0.470" (11.938mm)
3	0.708" (17.983mm)	0.570" (14.478mm)
4	0.819" (20.803mm)	0.682" (17.323mm)
5	0.819" (20.803mm)	0.682" (17.323mm)
6	0.933" (23.698mm)	0.796" (20.218mm)







1, 2, 3, 4, 5 and 6 Position - 44 Series™ Plugs

Image	Part Number	Description	Wire AWG	Amp
	04410310001	1 Position, Female Plug, Socket Contact, 44 Series™, Black Body	14-18AWG	8A
	04410310002	2 Position, Female Plug, Socket Contact, 44 Series™, Black Body	14-18AWG	8A
	04410310003	3 Position, Female Plug, Socket Contact, 44 Series™, Black Body	14-18AWG	8A
	04410310004	4 Position, Female Plug, Socket Contact, 44 Series™, Black Body	14-18AWG	8A
	04410310005	5 Position, Female Plug, Socket Contact, 44 Series™, Black Body	14-18AWG	8A



## 1, 2, 3, 4, 5 and 6 Position - 44 Series™ Plugs, cont.

Image	Part Number	Description	Wire AWG	Amp
	04410310006	6 Position, Female Plug, Socket Contact, 44 Series™, Black Body	14-18AWG	8A

## 1, 2, 3, 4, 5 and 6 Position - 44 Series™ Receptacles

	0441041000102	1 Position, Male Receptacle, Pin Contact, 44 Series™, Black Body	14-18AWG	8A
	0441041000202	2 Position, Male Receptacle, Pin Contact, 44 Series™, Black Body	14-18AWG	8A
	0441041000302	3 Position, Male Receptacle, Pin Contact, 44 Series™, Black Body	14-18AWG	8A
	0441041000402	4 Position, Male Receptacle, Pin Contact, 44 Series™, Black Body	14-18AWG	8A
	0441041000502	5 Position, Male Receptacle, Pin Contact, 44 Series™, Black Body	14-18AWG	8A
	0441041000602	6 Position, Male Receptacle, Pin Contact, 44 Series™, Black Body	14-18AWG	8A

## 44 Series™ Contacts

	0441001414P1000101	Male Pin Contact for Receptacle, Tinned Copper Alloy, 1,000 Piece Bag	14-18AWG	8A
	0441001414P100101	Male Pin Contact for Receptacle, Tinned Copper Alloy, 100 Piece Bag	14-18AWG	8A
	0441001414P5000	Male Pin Contact for Receptacle, Tinned Copper Alloy, 5,000 Piece Reel	14-18AWG	8A
	0441021414S1000101	Female Socket Contact for Plug, Tinned Copper Alloy, 1,000 Piece Bag	14-18AWG	8A
	0441021414S100101	Female Socket Contact for Plug, Tinned Copper Alloy, 100 Piece Bag	14-18AWG	8A
	0441021414S5000	Female Socket Contact for Plug, Tinned Copper Alloy, 5,000 Piece Reel	14-18AWG	8A

**For more information, contact:** Customer Service, +1 800 394 7732, [csr@amphenol-sine.com](mailto:csr@amphenol-sine.com)

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