

Amphenol

Circular Interconnects

QUELARC® Heavy Duty Connector System

Built to withstand the most severe operating conditions. Features Compound Circuit Breaking Arc Chambers confining arcs during initial break.

Materials

Receptacles – Rust Resistant Ferrous Alloy
 Plug – Aluminum Alloy

Electrical

Current – Up to 200 Amp
 Voltage – 250DC/600VAC

Features

Grounding contact – MFBL
 UL & CSA Certification
 Flat Long Life Contacts
 Solder Contacts

Options

Reverse Polarity
 Automatic & Remote Control Contacts
 T & D Handles
 Cord Grips
 Various Insert Arrangements

Conduit Hub Size	Mating Halves							
	100 Amp 3-Pole/4 Wire Grounded thru Shell and Extra Pole							
	Receptacles				Plug			
	Angle Housing (as per drawing)		Straight Housing		Panel Mount w/Gasket		Straight	
Option	Part Number:	Option	Part Number:	Option	Part Number:	Part Number:	Cable ØD Range	
38.1mm	W/ Spring Door	JRCBB-510446	W/ Spring Door	JRCA-510446	W/ Spring Door	JRC-4104	JPD-1110446	25.4~34.9mm
							JPD-1410446	34.9~44.5mm
	Threaded	JRLBB-510446	Threaded	JRLA-510446	Threaded	JRL-4104	JPLD-1110446	25.4~34.9mm
							JPLD-1410446	34.9~44.5mm
	Threaded & Cap	JREBB-510446	Threaded & Cap	JREA-510446	Threaded & Cap	JRE-4104	JPLD-1110446	25.4~34.9mm
							JPLD-1410446	34.9~44.5mm
Diagram								
Description	Cable ØD Range	Part Number:					Insert Arrangement	
In-Line Connector Plug & Receptacle SET with Threaded Coupling mechanism	25.4~34.9mm	JRKD-1110446						
	34.9~44.5mm	JRKD-1410446						

44 Series Economy Series Environmentally Sealed Circular Connectors

Amphenol's 44 Series connector system offer high performance at low cost. Ideal for applications requiring environmentally sealed connectors.

Materials

Insulation – 94V-0 Santoprene
 Contact – Copper Alloy
 Plating – Electroin
 Colour – Black

Characteristics

Wire Gauge – 18 ~ 14 AWG
 Insulation Diameter – 2.03 ~ 3.30 mm
 Temperature – -40°C ~ 105°C
 Coupling – Push Pull
 Protection – IP65

Electrical

Current Rating – 8 Amps
 Voltage Rating – 250 VAC rms
Resistance
 Contact – < 30 mΩ
 Insulation – > 5,000 MΩ
 Dielectric Withstand – 1000 VRMS

Customer Options

Shell sizes – 5
 Contact arrangements – 6
 Circuit sizes – 1 ~ 6

Related Information

Full Cycle Tool – 357-588
 Economy Crimping Tool – 357-561

Applications

Truck Accessories
 Marine Industrial
 Traffic Control
 Automotive Safety
 Mining Ventilation

Housings

No. of Contacts	Mating Halves		Receptacle						
	Part Numbers								
	Receptacle	Plug							
1	44-104-10001-02	44-103-10001							
2	44-104-10002-02	44-103-10002							
3	44-104-10003-02	44-103-10003							
4	44-104-10004-02	44-103-10004							
5	44-104-10005-02	44-103-10005							
6	44-104-10006-02	44-103-10006							
Crimp Contacts			Plug						
Reel Quantity	Part Number:		Mated						
	Pin Contacts	Socket Contacts							
	100	44-100-1414P-1H*		44-102-1414S-1H*					
1000	44-100-1414P-1K*	44-102-1414S-1K*							
* Add suffix (101) to Crimp Contact part numbers to have contacts removed from the reels and package in bags.									
Insert Arrangements									
Pattern							Number of Contacts	Dimensions (mm)	
Contact ØD (mm)	12.62	15.41	17.98	20.80	20.80	23.69		A	B
							1	12.62	11.17
							2	15.41	11.93
							3	17.98	14.47
							4	20.80	17.32
							5	20.80	17.32
							6	23.69	20.21

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