

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:								
	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	1	2	3	4	5	6		A	B
ØD (mm)	12.62	15.41	17.98	20.80	20.80	23.69	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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