Powerpole® Modular Connector Assembly Sheet

For all models: 15, 30, 45, 75, 120 and 180 amperes
Singlepole Power Connectors with Single Piece Housings
CAUTION: Not For Interrupting Current

Cross Section View

Insulated Housings • Stainless Steel Springs • Silver and Tin Plated Contacts

Catalog # (Complete)	Contacts Only	Amps	Voltage AC/DC	Wire Size AWG	mm	Bushing # (If Required)
1395 Series	1332	15	600	16-20	1.3 – 5	----------
1330 Series	1331	30	600	12-16	3.3 – 1.3	----------
1345 Series	261G2	45	600	10-14	5.3 – 2.1	----------
1300 Series	5900	75	600	14-16	2.1 – 1.3	5913
1300 Series	5900	75	600	10-12	5.3 – 3.3	5910
1300 Series	5915	75	600	10-12	5.3 – 3.3	----------
1300 Series	5900	75	600	8	8.3	5912
1300 Series	5900	75	600	6	13.3	----------
1320 Series	1319	120	600	8	8.3	5921
1320 Series	1319	120	600	6	13.3	5920
1320 Series	1319G6	120	600	6	13.3	----------
1320 Series	1319	120	600	4	21.1	5919
1320 Series	1319G4	120	600	4	21.1	----------
1320 Series	1319	120	600	2	33.6	----------
1380 Series	1382	180	600	10	5.2	5648
1380 Series	1382	180	600	6	13.3	5663
1380 Series	1382	180	600	4	21.1	5693
1380 Series	1384	180	600	4	21.1	----------
1380 Series	1382	180	600	2	33.6	5690
1380 Series	1383	180	600	2	33.6	----------
1380 Series	1382	180	600	1	42.4	5687
1380 Series	1382	180	600	1/0	53.5	----------

ASSEMBLY

1. Strip wire to "X" dimension (Figure 1) taking care to avoid knicking or cutting of wire strands. Do not bend or twist strands too sharply.

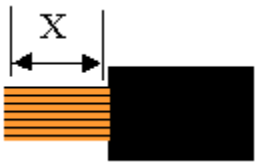

Figure 1

Catalog Numbers	amps	"X" Inches	"X" Millimeters
1395 Series	15	5/16	7.9
1330 Series	30	5/16	7.9
1345 Series	45	5/16	7.9
1300 Series	75	9/16	14.5
1320 Series	120	15/16	24.0
1380 Series	180	1 - 1/8	28.6

TERMINATION

2. Manufacturer recommends termination by crimping.

a. **Crimped**

1300, 1320 and 1380 series contacts accept largest wire sizes rated. Smaller wire sizes require reducing bushings, Cat. Numbers 1395, 1330 and 1345 do not require reducing bushings. Insert wire to the base of contact, then crimp. Note: indentation should fall in the middle of the barrel (see Fig. 2). Use recommend crimp tools only. Crimping by other means may disturb contact position in housing and/or produce high resistance joints.

Figure 2.

b. **Soldered**

Melt rosin flux tin solder into contact well, do not solder-dip contacts or overload the joint with solder. On 1395, 1330 and 1345 Series contacts, solder flow should not extend beyond contact wall. On all models, care should be taken that no solder adheres to contact surfaces.

CONTACT INSERTION

Insert contact and wire into the housing from the rear (See Fig. 3). Position contact as shown (See Fig. 4) and push forward using insertion / extraction too Cat. Number 111038G2 for smaller wire sizes in 1345, 1395, 1330, 1300 models so that contact slips under the barrier and snaps over the end of the retaining spring (See Fig. 5). Tug slightly to make sure contact is locked in place.

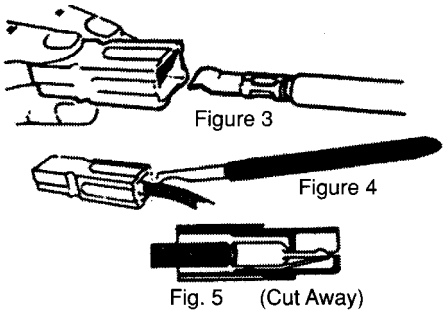

Figure 3

Figure 4

Fig. 5 (Cut Away)

Powerpole Crimping Tool	Contact Rating	Accommodates Wire Sizes - AWG	mm	Tool #
Manual, cycle controlled F-type crimping tool	10 amps	#12 to 16	4.0 to 1.5	1309G1
Manual, cycle controlled F-type crimping tool	15 - 30 amps	#12 to 20	4.0 to 0.5	1309G2
Pneumatic, cycle controlled F-type crimping tool	15 - 30 amps	#12 to 20	4.0 to 0.5	1353G1
Manual, cycle controlled F-type crimping tool	45 amps	#10 to 14	6.0 to 2.0	1309G3
Manual, noncycle controlled U-type crimping tool	60 or 70 amps	#6 to 12	16.0 to 4.0	1351G3
Manual, cycle controlled F-type crimping tool	75 amps	#6 to 12	16.0 to 4.0	1309G4
Pneumatic, cycle controlled 4-indent crimping tool	75 amps	#6 to 12	16.0 to 4.0	1387G1
Manual, noncycle controlled W-type crimping tool	120 amps	#2 to 6	30.0 to 16.0	1351G4
Pneumatic, cycle co trolled 4-indent crimping tool	120 or 180 amps	#1/0 to 10	50 to 6.0	1387G1
Hydraulic, noncycle controlled 4-indent crimping tool	120 or 180 amps	#1/0 to 10	50 to 6.0	1368

* Single pole with maximum wire size.
NOTE: For high volume crimping (reeled contacts) sees Anderson catalog or consult factory.

CONTACT REMOVAL

For 1320 and 1380 series select a screwdriver of appropriate size. Depress spring at front of housing and pull wire out. For 1395, 1330, 1345 and 1300 series, insertion / extraction tool (Number 111038G2). Place one of the forward prongs of the tool between the contact and spring using a rotary motion. Continue rotation while pulling on the wire until the prong causes disengagement of contact from the spring. Withdraw contact from rear of housing (See Fig. 6)

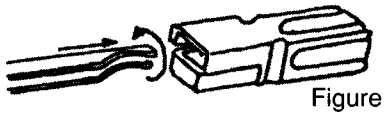

Figure 6

CONNECTOR USAGE

1. Do not disconnect under load. Not for interrupting current.
2. Connector halves should not be disconnected by grasping cable leads.
3. For use only in equipment where the acceptability of the combination is determined by UL / CSA or other applicable certification agencies.

PATENT INFORMATION

Powerpole® connectors are patented under one or more of the following patents
Other U.S. and foreign patents pending
U.S.: 3218559; 3259870
Canada: 744,469; 744,470
U.K.: 965,074

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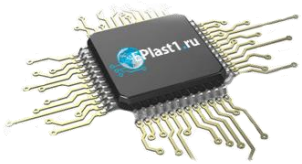

Как с нами связаться

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