HIGH POWER SPEC Pak®

Sealed Power For Environmental Connections



Marine | Wind Power | Lighting | Transportation | Pumps | Ground Support
Machine Tool | Industrial Automation | Motor | Solar Power | Harsh Environments



APP
Anderson Power Products®

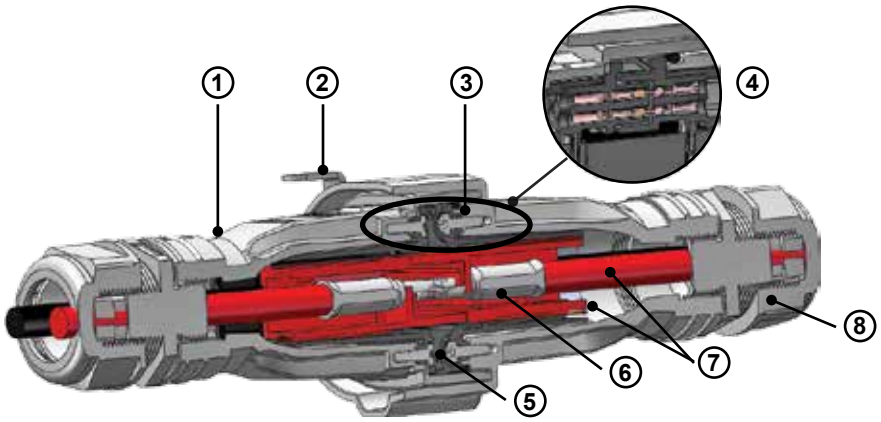
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Rugged and Sealed (IP68) Plugs and Receptacles

For Use with APP® Powerpole® Signal, Power & Ground Contacts & Housings

The SPEC Pak® High Power uses rugged and environmentally sealed (IP68) shells to protect APP® Powerpole® contacts and housings. Customer configured SPEC Pak® High Power Connectors are capable of up to 260 amps and may be used anywhere a rugged and/or waterproof high power, signal and ground interconnect solution is required.

The SPEC Pak® High Power shell accepts 75 to 180 amp Powerpole® contacts and up to 8 auxiliary contacts. The wide range of Powerpole® housing colors and contact sizes, coupled with the available Powerpole® insert holders, offers the user a wide array of design options. Wire sizes which can accommodate a range from 24 to 3/0 AWG (0.25 to 85.0 mm²). SPEC Pak® High Power is highly configurable with thousands of design options in a single interconnect.



⑤ Powerpole® Insert Arrangement



H02



H03



H06

1 - Chemical & UV Resistant Ruggedized Shells
- Wire to Wire Configurations
- Wire to Panel Configurations

2 - Stainless Steel Latches (securing plug to receptacle)

3 - IP68 Interfacial Sealing O-Ring

4 - Auxiliary Contacts (up to 8)

5 - Powerpole® Insert Holders (user configurable)
- H02 Arrangement - up to two PP180 & 8 Auxiliaries
- H03 Arrangement - up to three PP120 & 8 Auxiliaries
- H06 Arrangement - up to six PP75 & 8 Auxiliaries

6 - Power Contacts (up to 260 amps with 3/0 AWG)

7- Color Coded Powerpole® Housings Match Wire Colors

8 - Industry Standard Sealing (IP68) Components
- PG Gland Compatible - Size 36 & 42
- Multi Hole Glands For Use With Discrete Wires
- Single Hole Glands For Use With Jacketed Cable

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Specifications

High Power SPEC Pak® Shell / Components

Electrical

UL Voltage Rating (AC/DC)	600
Dielectric Withstanding Voltage (AC)	3000
Operating Temperature (°C) [1]	-40 to 105
(°F)	-40 to 221
Flammability Rating of SPEC Pak® Shells	UL94 V-0
UV Rating (equivalent)	UL746C F1

Mechanical

Shell/Latch Mating Cycles	1,500 Min.
Average Connect/Disconnect (lbf)	28
(N)	125
IP Rating	IP68
UL50E Sealing Requirement	Pass
Crush Test per EIA-364-40B	Pass
Drop Test per UL50E	Pass

Material

SPEC Pak® - Receptacle, Plug & Holders	PBT
Latch	Stainless Steel
Latch Retainer	Stainless Steel
Holder Mount Hardware	Nickel Plated Steel



Mated pair
High Power Plug To
Inline Receptacle

Powerpole® Contacts	PP180	PP120	PP75	PowerMod®
UL Current Rating (Amperes) [2]	260	190	70	5
CSA (30C Rise) (Amperes) [2]	140	100	40	5
Voltage Rating (AC/DC)	600	600	600	600
Contact Barrel Wire Size (AWG)	3/0 to 6	1/0 to 6	6 to 12	12 to 24
(mm²)	85 to 13.3	53.5 to 13.3	13.3 to 3.3	4.0 to 0.25
Average Contact Resistance (milliohm)	0.10	0.14	0.20	3.00
Contact Retention Force (lbf)	170	100	50	8
(N)	756	445	222	36
Operating Temperature (°C) [1]	-20 to 105	-20 to 105	-20 to 105	-20 to 105
(°F)	-4 to 221	-4 to 221	-4 to 221	-4 to 221
Flammability Rating	UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0
Contact Materials	Copper	Copper	Copper	Copper Alloy
Contact Plating	Silver	Silver	Silver	Gold over Nickel
Mechanical				
Mating Cycles - no load [3]	10,000	10,000	10,000	10,000
Average Connect/Disconnect (lbf)	20	8	5 (Low Detent) 7 (High Detent)	10 oz. (3N) Average
Material				
Powerpole® Housing Material	Polycarbonate	Polycarbonate	Polycarbonate	PBT

NOTE: [1] -40° to 105° C (-40° to 221° F) can be achieved by using APP Chemical Resistant Powerpole® housing. Contact factory for more information.
[2] Based on Panel Mount Receptacle to Plug configuration.
[3] Based on silver plated contacts.

For other industry tests and/or agency approvals, contact customer service. c UL us File No. E26226

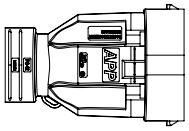
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Product Selection Guide

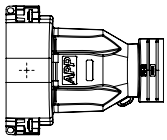
SPEC Pak® High Power Series is a highly configurable environmentally sealed connector, that can be purchased as components in bulk for volume production, or pre-packaged as a kit. For your convenience, follow the steps below to determine the component or kit part number.

| COMPONENT PART NUMBER GUIDE (FOR COMPONENT BULK PURCHASE) |

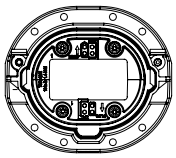
Step 1: Select Shell



Plug



Inline Receptacle



Panel Mount Receptacle

*** Select shell kit for use with PG36 _____ or PG42 _____ from page 6.**

Step 2: Select Wire Protection



*** Define:**

	Number of Wires	Wire OD
Wires		
- Discrete	_____	_____
- Bundled	_____	_____

*** Select PG Gland size PG36 _____ PG42 _____**

*** Select wire protection that will accommodate the number of wires and outer diameter (OD) of the wire used in your application, from page 7.**

*** Wire protection is required for use with Inline Receptacles and Plugs to obtain IP68 seal.**

List Component Part Numbers Here:

| KIT PART NUMBER GUIDE (FOR KITTED CONNECTOR PURCHASE) |

Step 1 - (see page 6)

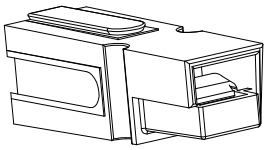
Shell

SPEC Pak® Series	Shell Color	Shell Style (Select One)	Dash	Shell Size (Select One)	Insert Arrangement (Select One)
S	K	1 = Inline Receptacle 2 = Panel Mount Receptacle 6 = Plug 9 = Receptacle Cover 9P = Plug Cover	-	095 = 095mm Panel Mount Receptacle Shell A95 = 095mm Inline Receptacle or Plug Shell, PG 36 B95 = 095mm Inline Receptacle or Plug Shell, PG 42	H02, PP180, 2 Pole H03, PP120, 3 Pole H06, PP75, 6 Pole

List Kit Part Number Here:

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Step 3: Select Housing Arrangement

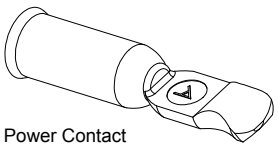


* Define:

	Number of Wires	Number of Auxiliaries
Housing Arrangement		
- AC		
- DC		
- Other		

* Select housing arrangement colors appropriate for your AC or DC application, from page 8, 9 or 10.

Step 4: Select Contacts



Power Contact



Pin Auxiliary Contact



Socket Auxiliary Contact

* Define:

	Number of Wire Gauge	Wire Gauge
Contacts		
- Power		
- Auxiliary		
- Other		

Amps (continuous): ____ Max amps at ____ volts

* Select power and/or auxiliary contacts appropriate for your wire size (AWG or mm²), from page 8, 9 or 10.

List Component Part Numbers Here:

Step 2 - Wire Protection

..... Wire Protection .....

Number of Holes — Cable Sealing Range (Select Two)

00 = None
PS = Plastic Single Hole
PM = Plastic Multi Hole

00 = None
"01 to 99 = Various Gland Types
From Page 7

Dash: -

Step 3 - Select Housing Arrangement (Style)

.. Housing Arrangement ..

(Select One)

	Insert Arrangement
0 = Custom Configuration	-
A = AC Single Phase	H03
B = AC 3 Phase, 3 Wire	H06
E = AC 3 Phase, 4 wire	H06
F = AC 3 phase, 5 wire	H06
G = DC 2 Circuit, 6 wire	H06
R = DC 1 Circuit, 2 Wire	H02, H03
Z = All Black	H02, H03, H06

Step 4 - Select Contacts

..... Contacts .....

(Select One)

Dash: -

Contact Code	Contact	Wire Size AWG	Wire Size (mm²)	Insert Arrangement
00 =	Custom Configuration			
11 =	5900	#6	13.3	H06
12 =	5952	#8	8.4	H06
13 =	5915	#10/12	5.3/3.3	H06
With Auxiliary [1]				
14 =	5900	#6	13.3	H06
15 =	5952	#8	8.4	H06
16 =	5915	#10/12	5.3/3.3	H06

Contact Code	Contact	Wire Size AWG	Wire Size (mm²)	Insert Arrangement
20 =	1323G2	1/0	53.5	H03
21 =	1323G1	#1	42.4	H03
22 =	1319	#2	33.6	H03
23 =	1319G4	#4	21.2	H03
24 =	1319G6	#6	13.3	H03
With Auxiliary [1]				
25 =	1323G2	1/0	53.5	H03
26 =	1323G1	#1	42.4	H03
27 =	1319	#2	33.6	H03
28 =	1319G4	#4	21.2	H03
29 =	1319G6	#6	13.3	H03

Contact Code	Contact	Wire Size AWG	Wire Size (mm²)	Insert Arrangement
80 =	1328G2	3/0	85.0	H02
81 =	1328G1	2/0	67.4	H02
82 =	1382	1/0	53.5	H02
83 =	1347	#1	42.4	H02
84 =	1383	#2	33.6	H02
85 =	1384	#4	21.2	H02
86 =	1348	#6	13.3	H02
With Auxiliary [1]				
87 =	1328G2	3/0	85.0	H02
88 =	1328G1	2/0	67.4	H02
89 =	1382	1/0	53.5	H02
90 =	1347	#1	42.4	H02
91 =	1383	#2	33.6	H02
92 =	1384	#4	21.2	H02
93 =	1348	#6	13.3	H02

Custom

.... APP Content ....

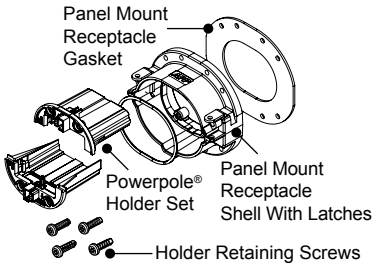
Contact the factory
Custom Configuration

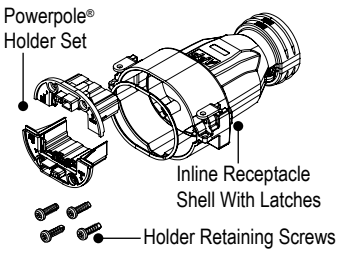
NOTE:
[1] Contact code designation #25 to 29 uses 4 each of PM16P12S30 (pins) & 4 each of part number PM16S12S32 (sockets) as signal.

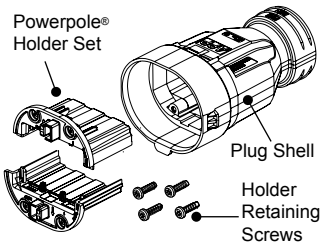
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| ORDERING INFORMATION |

Step 1: Select Shell (Pick 1 Receptacle Shell Kit & Pick 1 Plug Shell Kit)







Panel Mount Receptacle Shell Kit

Description	-- Part Numbers --
Minimum Quantity	10 .....
With 2 pole PP180 holders	SK2-095H02
With 3 pole PP180 holders	SK2-095H03
With 6 pole PP75 holders	SK2-095H06

Inline Receptacle Shell Kit (PG 36)

Description	-- Part Numbers --
Minimum Quantity	10 .....
PG 36, with 2 pole PP180 holder	SK1-A95H02
PG 36, with 3 pole PP120 holder	SK1-A95H03
PG 36, with 6 pole PP75 holder	SK1-A95H06

Plug Shell Kit (PG 36)

Description	-- Part Numbers --
Minimum Quantity	10 .....
PG 36, with 2 pole PP180 holder	SK6-A95H02
PG 36, with 3 pole PP120 holder	SK6-A95H03
PG 36, with 6 pole PP75 holder	SK6-A95H06

Inline Receptacle Shell Kit (PG 42)

Description	-- Part Numbers --
Minimum Quantity	10 .....
PG 42, with 2 pole PP180 holder	SK1-B95H02
PG 42, with 3 pole PP120 holder	SK1-B95H03
PG 42, with 6 pole PP75 holder	SK1-B95H06

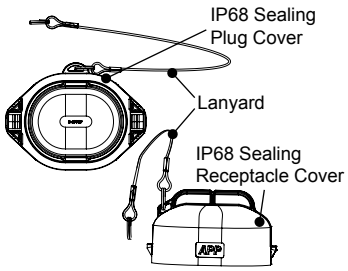
Plug Shell Kit (PG 42)

Description	-- Part Numbers --
Minimum Quantity	10 .....
PG 42, with 2 pole PP180 holder	SK6-B95H02
PG 42, with 3 pole PP120 holder	SK6-B95H03
PG 42, with 6 pole PP75 holder	SK6-B95H06

| ACCESSORIES |

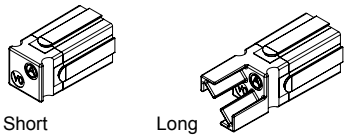
Cover Kit

Description	- Part Numbers -
Minimum Quantity	10 .....
Receptacle	SK9-095
Plug	SK9P-095



PP75 Spacer & Key

Description	-------- Part Numbers --------	
Minimum Quantity	1000	100 ....
Red, short	1399G23-BK	1399G23
Red, long	1399G21-BK	1399G21



Component Replacement Parts

Description	- Part Number -
Minimum Quantity	1000 .....
#8 x 5/8 screws	H1120P41



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| SPECIFICATIONS |

Material	
Shell	Nylon PA 66 (UL94 V-2)
Gasket	EPDM
Color	Black

Mechanical	
Operating Temp	-40°C to 105°C (-40°F to 221°F)
IP Rating	IP68
UV Rating	Equivalent to UL746C F1
Thread Type	PG

Torque Requirements

Cable Gland Body to Plug Housing

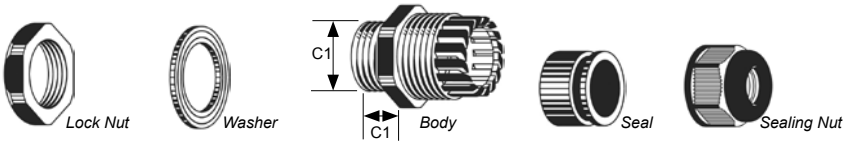
- Hand tighten until snug, tighten additional 1/8 - 1/4 turn with wrench

Sealing Nut to Cable

- Hand tighten until snug, tighten additional 1/2 - 3/4 turn with wrench

| STRAIGHT PLASTIC SHORT THREAD TYPE - STD PACK 10 / UL LISTED |

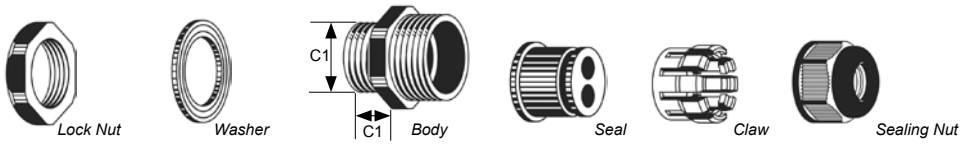




Number of Holes	Cable Range Wire Outer Dia. mm (in)	PG Gland Size	Thread O.D. C1 mm (in)	Panel Mounting Hole mm (in)	Thread Length C2 mm (in)	Wrench Size Lock Nut (mm)	Wrench Size Sealing Nut (mm)	Wire Protection Designation (4 Characters)	-- Part Numbers --
						Minimum Quantity …			..... 10 .....
1	26.5 - 21.0 (1.04 - 0.83)	36	47 (1.85)	47 - 47.4 (1.85 - 1.67)	15 (0.59)	57	52	PS04	PS1P36-26X
1	32.0 - 24.0 (1.26 - 0.94)	36	47 (1.85)	47 - 47.4 (1.85 - 1.67)	15 (0.59)	57	52	PS05	PS1P36-32X
1	19.5 - 16.0 (0.77 - 0.63)	42	54 (2.13)	54 - 54.4 (2.13 - 2.14)	15.5 (0.61)	64	62	PS01	PL1P42-19X
1	32.0 - 26.0 (1.26 - 0.79)	42	54 (2.13)	54 - 54.4 (2.13 - 2.14)	15.5 (0.61)	64	62	PS02	PS1P42-32X
1	41.0 - 31.0 (1.61 - 1.22)	42	54 (2.13)	54 - 54.4 (2.13 - 2.14)	15.5 (0.61)	64	62	PS03	PS1P42-41X

| STRAIGHT PLASTIC MULTI-HOLE TYPE - STD PACK 10 / NOT UL LISTED |





Number of Holes	Cable Range Wire Outer Dia. mm (in)	PG Gland Size	Thread O.D. C1 mm (in)	Panel Mounting Hole mm (in)	Thread Length C2 mm (in)	Wrench Size Lock Nut (mm)	Wrench Size Sealing Nut (mm)	Wire Protection Designation (4 Characters)	-- Part Numbers --
						Minimum Quantity …			..... 10 .....
2	13.0 - 11.0 (0.51 - 0.43)	36	47 (1.85)	47 - 47.4 (1.85 - 1.67)	15 (0.59)	57	52	PM21	PS2P36-13X
2	9.0 - 7.0 (0.35 - 0.28)	36	47 (1.85)	47 - 47.4 (1.85 - 1.67)	15 (0.59)	57	52	PM22	PS2P36-9X
3	7.8 - 6.5 (0.31 - 0.26)	36	47 (1.85)	47 - 47.4 (1.85 - 1.67)	15 (0.59)	57	52	PM31	PS3P36-7X
3	10 - 7.7 (0.39 - 0.30)	36	47 (1.85)	47 - 47.4 (1.85 - 1.67)	15 (0.59)	57	52	PM32	PS3P36-10X
4	12.0 - 10.0 (0.48 - 0.39)	36	47 (1.85)	47 - 47.4 (1.85 - 1.67)	15 (0.59)	57	52	PM41	PS4P36-12X
5	8.3 - 6.5 (0.33 - 0.26)	36	47 (1.85)	47 - 47.4 (1.85 - 1.67)	15 (0.59)	57	52	PM51	PS5P36-8X
4	10.5 - 8.5 (0.41 - 0.33)	42	54 (2.13)	54 - 54.4 (2.13 - 2.14)	15.5 (0.61)	64	62	PM46	PL4P42-10X
6	7.0 - 5.0 (0.28 - 0.20)	42	54 (2.13)	54 - 54.4 (2.13 - 2.14)	15.5 (0.61)	64	62	PM66	PL6P42-7X
8	7.0 - 5.7 (0.28 - 0.22)	42	54 (2.13)	54 - 54.4 (2.13 - 2.14)	15.5 (0.61)	64	62	PM86	PL8P42-7X

NOTE:

1. Other PG Gland configurations and specifications are available, please contact the factory.
2. Only UL listed cable glands are UL recognized components when used with SPEC Pak® connector(s).
3. Shading indicates stock item.

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H02 Housing Arrangement

Configured with up to 2 PP180 Contacts - Up to 260 Amps - Standard & Custom Configuration Options

| HOUSING ARRANGEMENTS |

0 **Custom Configuration**

DC 1 Circuit, 2 Wire

R 1381G1 | 1381G3

All Black

Z 1381G1 | 1381G1

NOTE:
1. For custom configuration, contact the factory.
2. Arrangement represents front view of the receptacle.

| POWERPOLE® INSERT HOLDER |



H02

| POWERPOLE® CONTACTS & HOUSINGS FOR H02 INSERT ARRANGEMENT |

PP180 Contacts

AWG	mm²	Mating Force	Loose Piece Part Numbers				Contact Code Designation
Minimum Quantity			500	300	250	50	.....
3/0	85	Low	-	-	1328G2-BK	1328G2	80
2/0	67.4	Low	-	1328G1-BK	-	1328G1	81
1/0	53.5	High	1382-BK	-	-	1382	82
1	42.4	High	1347-BK	-	-	1347	83
2	33.6	High	1383-BK	-	-	1383	84
4	21.1	High	1384-BK	-	-	1384	85
6	13.3	High	1348-BK	-	-	1348	86

PP180 Housings

Description	Part Numbers	
Minimum Quantity ...	250	50 .....
Red	1381G3-BK	1381G3
Green	1381G4-BK	1381G4
Black	1381G1-BK	1381G1
White	1381G2-BK	1381G2
Blue	1381-BK	1381

Auxiliary Contacts (PowerMod® series)

Type	AWG	mm²	Part Numbers		Contact Code Designation
Minimum Quantity.....			500	50	.....
Standard Length 7.7mm					
Pin	24 to 20	0.50 to 0.75	PM16P2024S30	PM16P2024S30-50	-
Pin	20 to 18	0.75 to 1.00	PM16P1620S30	PM16P1620S30-50	-
Pin	16 to 14	1.00 to 1.5	PM16P1416S30	PM16P1416S30-50	-
Pin	12	2.50	PM16P12S30	PM16P12S30-50	87 thru 93
Pre-Mate 9.3mm					
Pin	24 to 20	0.50 to 0.75	PM16P2024A30	PM16P2024A30-50	-
Pin	20 to 18	0.75 to 1.00	PM16P1620A30	PM16P1620A30-50	-
Pin	16 to 14	1.00 to 1.5	PM16P1416A30	PM16P1416A30-50	-
Pin	12	2.50	PM16P12A30	PM16P12A30-50	-
Post-Mate 6.4mm					
Pin	24 to 20	0.50 to 0.75	PM16P2024C30	PM16P2024C30-50	-
Pin	20 to 18	0.75 to 1.00	PM16P1620C30	PM16P1620C30-50	-
Pin	16 to 14	1.00 to 1.5	PM16P1416C30	PM16P1416C30-50	-
Pin	12	2.50	PM16P12C30	PM16P12C30-50	-
Socket	24 to 20	0.25 to 0.50	PM16S2024S32	PM16S2024S32-50	-
Socket	20 to 16	0.50 to 1.30	PM16S1620S32	PM16S1620S32-50	-
Socket	16 to 14	1.30 to 2.10	PM16S1416S32	PM16S1416S32-50	-
Socket	12	2.5	PM16S12S32	PM16S12S32-50	87 thru 93

NOTE:
1. Contact code designation #87 to 93 is 4 each of PM16P12S30 (pins) & 4 each of part number PM16S12S32 (sockets) as signal.
2. See Powerpole® & Multipole Power Connectors Catalog for additional contacts and/or housings options.
3. Application tooling information is available on page 11.

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H03 Housing Arrangement

Configured with up to 3 PP120 Contacts - Up to 190 Amps - Standard & Custom Configuration Options

| HOUSING ARRANGEMENTS |

0 — **Custom Configuration**

AC Single Phase

A

1321G1	1321G2	1321G4

DC 1 Circuit, 2 Wire

R

1321G1	1321G3	E

All Black

Z

1321G1	1321G1	1321G1

NOTE:
1. E = Empty
2. For custom configuration, contact the factory.
3. Arrangement represents front view of the receptacle.

| POWERPOLE® INSERT HOLDER |



H03

| POWERPOLE® CONTACTS & HOUSINGS FOR H03 INSERT ARRANGEMENT |

PP120 Silver Plated Wire Contacts

AWG	mm²	Mating Force	-------- Loose Piece Part Numbers --------			Contact Code Designation
Minimum Quantity			600	500	50	.....
1/0	53.5	Low	1323G2-BK	-	1323G2	20
1	42.4	Low	1323G1-BK	-	1323G1	21
2	33.6	High	-	1319-BK	1319	22
4	21.1	High	-	1319G4-BK	1319G4	23
6	13.3	Low	-	6811G4-BK	6811G4	24

PP120 Housings

Description	------- Part Numbers -------	
Minimum Quantity ...	500	50 .....
Red	1321G3-BK	1321G3
Green	1321G4-BK	1321G4
Black	1321G1-BK	1321G1
White	1321G2-BK	1321G2
Blue	1321-BK	1321

Auxiliary Contacts (PowerMod® series)

Type	AWG	mm²	---------- Part Numbers ----------		Contact Code Designation
Minimum Quantity.....			500	50	.....
Standard Length 7.7mm					
Pin	24 to 20	0.50 to 0.75	PM16P2024S30	PM16P2024S30-50	-
Pin	20 to 18	0.75 to 1.00	PM16P1620S30	PM16P1620S30-50	-
Pin	16 to 14	1.00 to 1.5	PM16P1416S30	PM16P1416S30-50	-
Pin	12	2.50	PM16P12S30	PM16P12S30-50	25 thru 29
Pre-Mate 9.3mm					
Pin	24 to 20	0.50 to 0.75	PM16P2024A30	PM16P2024A30-50	-
Pin	20 to 18	0.75 to 1.00	PM16P1620A30	PM16P1620A30-50	-
Pin	16 to 14	1.00 to 1.5	PM16P1416A30	PM16P1416A30-50	-
Pin	12	2.50	PM16P12A30	PM16P12A30-50	-
Post-Mate 6.4mm					
Pin	24 to 20	0.50 to 0.75	PM16P2024C30	PM16P2024C30-50	-
Pin	20 to 18	0.75 to 1.00	PM16P1620C30	PM16P1620C30-5	-
Pin	16 to 14	1.00 to 1.5	PM16P1416C30	PM16P1416C30-50	-
Pin	12	2.50	PM16P12C30	PM16P12C30-50	-
Socket	24 to 20	0.25 to 0.50	PM16S2024S32	PM16S2024S32-50	-
Socket	20 to 16	0.50 to 1.30	PM16S1620S32	PM16S1620S32-50	-
Socket	16 to 14	1.30 to 2.10	PM16S1416S32	PM16S1416S32-50	-
Socket	12	2.5	PM16S12S32	PM16S12S32-50	25 thru 29

NOTE:
1. Contact code designation #25 to 29 uses 4 each of PM16P12S30 (pins) & 4 each of part number PM16S12S32 (sockets) as signal.
2. See Powerpole® & Multipole Power Connectors Catalog for additional contacts and/or housings options.
3. Application tooling information is available on page 11.

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H06 Housing Arrangement

Configured with up to 6 PP75 Contacts - Up to 75 Amps - Standard & Custom Configuration Options

| HOUSING ARRANGEMENTS |

0 Custom Configuration

AC 3 Phase, 3 Wire

B

5916G4	5916G5	5916G7
E	5916G6	E

AC 3 Phase, 4 Wire

E

5916G4	5916	5916G5
5916G6	5916G7	E

AC3 Phase, 5 Wire

F

5916G4	5916G5	5916G7
5916	5916G6	5916

DC 2 Circuit, 6 Wire

G

5916G4	5916G4	5916G4
5916G7	5916G7	5916G7

All Black

Z

5916G4	5916G4	5916G4
5916G4	5916G4	5916G4

NOTE:
1. E = Empty
2. For custom configuration, contact the factory.
3. Arrangement represents front view of the receptacle.

| POWERPOLE® INSERT HOLDER |



H06

| POWERPOLE® CONTACTS & HOUSINGS FOR H06 INSERT ARRANGEMENT |

PP75 Contacts

AWG	mm²	Mating Force	Loose Piece -- Part Numbers --		Contact Code Designation
Minimum Quantity			1,000	100	.....
6	13.3	High	5900-BK	5900	11
8	8.4	High	5952-BK	5952	12
12 to 10	3.3 to 5.3	High	5915-BK	5915	13

PP75 Standard Housings

Description	------- Part Numbers --------	
Minimum Quantity ...	1,000	100 .....
Red	5916G7-BK	5916G7
Green	5916G6-BK	5916G6
Black	5916G4-BK	5916G4
White	5916G5-BK	5916G5
Blue	5916-BK	5916

Auxiliary Contacts (PowerMod® series)

Type	AWG	mm²	---------- Part Number ----------		Contact Code Designation
Minimum Quantity.....			500	50	.....
Standard Length 7.7mm					
Pin	24 to 20	0.50 to 0.75	PM16P2024S30	PM16P2024S30-50	-
Pin	20 to 18	0.75 to 1.00	PM16P1620S30	PM16P1620S30-50	-
Pin	16 to 14	1.00 to 1.5	PM16P1416S30	PM16P1416S30-50	-
Pin	12	2.50	PM16P12S30	PM16P12S30-50	14 thru 16
Pre-Mate 9.3mm					
Pin	24 to 20	0.50 to 0.75	PM16P2024A30	PM16P2024A30-50	-
Pin	20 to 18	0.75 to 1.00	PM16P1620A30	PM16P1620A30-50	-
Pin	16 to 14	1.00 to 1.5	PM16P1416A30	PM16P1416A30-50	-
Pin	12	2.50	PM16P12A30	PM16P12A30-50	-
Post-Mate 6.4mm					
Pin	24 to 20	0.50 to 0.75	PM16P2024C30	PM16P2024C30-50	-
Pin	20 to 18	0.75 to 1.00	PM16P1620C30	PM16P1620C30-50	-
Pin	16 to 14	1.00 to 1.5	PM16P1416C30	PM16P1416C30-50	-
Pin	12	2.50	PM16P12C30	PM16P12C30-50	-
Socket	24 to 20	0.25 to 0.50	PM16S2024S32	PM16S2024S32-50	-
Socket	20 to 16	0.50 to 1.30	PM16S1620S32	PM16S1620S32-50	-
Socket	16 to 14	1.30 to 2.10	PM16S1416S32	PM16S1416S32-50	-
Socket	12	2.5	PM16S12S32	PM16S12S32-50	14 thru 16

NOTE:
1. Contact code designation #14 to 16 uses 4 each of PM16P12S30 (pins) & 4 each of part number PM16S12S32 (sockets) as signal.
2. See Powerpole® & Multipole Power Connectors Catalog for additional contacts and/or housings options.
3. Application tooling information is available on page 11.

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Tooling

Wire Size		Loose Piece Part Numbers		Loose Piece Contact Crimp Tool					Reeled Part Numbers		Reeled Contact Crimp Tools		
AWG	mm²	Tin Plating	Silver Plating	Hand Tool or	Pneumatic Bench Tool	+ Die	+ Locator	Number of Crimps	Tin Plating	Silver Plating	ATS Applicator	ATS Press	Air Feed Kit *
PP75													
#6	13.3	N/A	1307	1309G4	1387G1	1388G6	1389G6	Single	265G5	N/A	1385523-1	2-565435-2	692655-1
			5900										
#8	8.4		5952										
#10 / 12	5.3 / 3.3		5953			1388G7			265G6		1385522-1	1725900-2 or [3-54500-1]	1424266-1 or [354578-1]
			5915										
PP120													
1/0	53.5	N/A	1323G2	1368	1387G1	1388G3	1389G4	Single	N/A		N/A		
#1	42.4		1323G1										
#2	33.6		1319			1388G4							
#4	21.2		1319G4										
#6	13.3		1319G6										
PP180													
3/0	85	N/A	1328G2	1368	1387G2	1303G12	1304G32	Double	N/A		N/A		
2/0	53.5		1328G1										
1/0	53.5		1382			1303G13							
#1	42.4		1347		1387G1	1388G3	1389G3	Single					
#2	33.6		1383		1387G2	1303G13	1304G32	Double					
#4	21.1		1384		1387G1	1388G3	1389G3	Single					
					1387G2	1303G13	1304G32	Double					
#6	13.3		1348		1387G1	1388G4	1389G3	Single					

* All ATS applicators for APP® contacts are air feed style, (except 1385870) and require the press to have an air feed kit installed.
NOTE: See website for the most current information.

Wire Size		Loose Piece Part Numbers	Loose Piece Contact Crimp Tool				
AWG	mm²	Contacts	Pneumatic Bench Tool	+ Die	+ Locator	Number of Crimps	or Hand Tool
PowerMod Auxiliary Contacts							
#12 / 24	2.5 / .25	All Crimp Pins	TP0001*	N/A	TL0001	Single	TM0001*
		All Crimp Sockets			TL0002		PM1000G1

NOTE: See website for the most current information.
* TP0001 and TM0001 tools require locators to properly position contacts.



1309



PM1000G1



TM0001



1368



TP0001

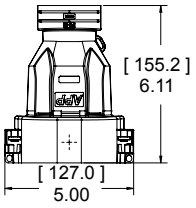


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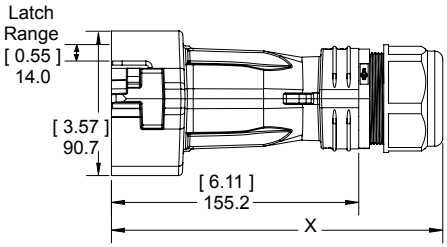
Dimensions

| INLINE RECEPTACLE |

Top View



Side View



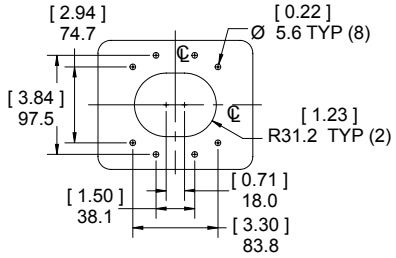
APPROXIMATE OVERALL LENGTH W/ GLAND

X

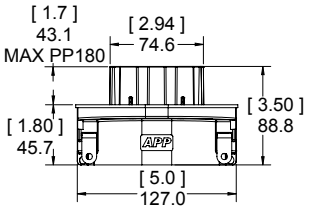
	MM	IN
Shell with PG 36	200	7.9
Shell with PG 42	208	8.2

| PANEL MOUNT RECEPTACLE |

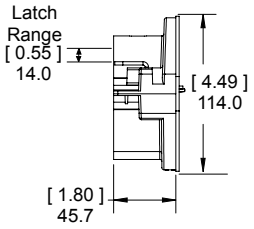
Panel Cutout



Top View

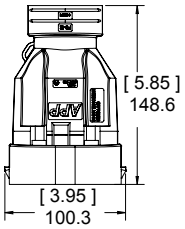


Side View

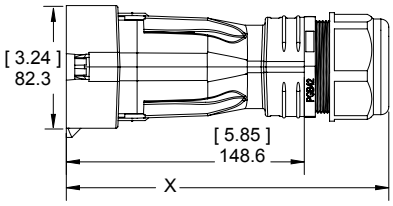


| PLUG |

Top View



Side View



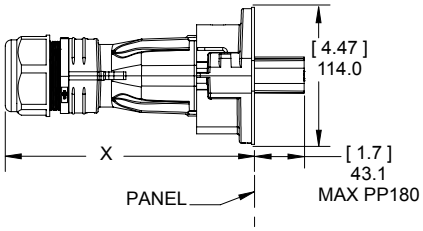
APPROXIMATE OVERALL LENGTH W/ GLAND

X

	MM	IN
Shell with PG 36	193	7.6
Shell with PG 42	201	7.9

| MATED SIDE VIEW |

Plug to Panel Mount receptacle

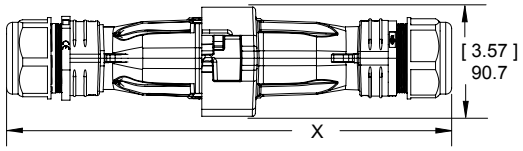


PLUG TO PANEL MOUNT RECEPTACLE

X

	MM	IN	MM	IN
Shell with PG 36	114.0	4.7	200.7	7.90
Shell with PG 36	114.0	4.7	207.3	8.16

Plug to Inline Receptacle



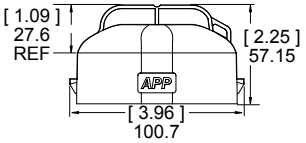
PLUG TO INLINE RECEPTACLE

X

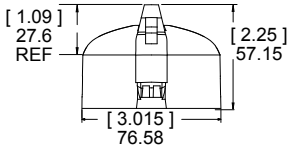
	MM	IN	MM	IN
Shell with PG 36	90.7	3.57	354.1	13.94
Shell with PG 36	90.7	3.57	370.3	14.58

| RECEPTACLE COVER |

Front View

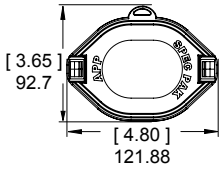


Side View

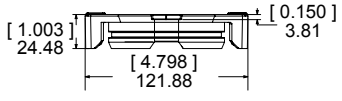


| PLUG COVER |

Front View



Side View



All Data Subject To Change Without Notice

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