

6 POSITION 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®

Rugged and Sealed (IP68) Plugs and Receptacles

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

APP's SPEC Pak® Connector Series uses rugged and environmentally sealed (IP68) shells to protect existing APP® Powerpole® contacts and housings. Customer configured SPEC Pak® Connectors may be used anywhere a rugged and waterproof high-power interconnect with signal and ground capabilities is required such as in; mass transportation, off-road vehicles, factory automation, oil and petrochemical exploration, agricultural equipment, and many more.

The core APP® Powerpole® technology within the SPEC Pak® is proven reliable and cost effective. The broad selection of touch safe, color-coded Powerpole® housings with power, signal and ground contacts accept a broad range of wire gauges, #24 to #10 AWG (0.25 to 4.0 mm²), giving users thousands of flexible design solutions in a single interconnect.



1 - Industry Standard Panel Cut Out

(Same as 26482 & 5015 shell size 24)

2 - IP68 Panel Mount Sealing Gasket

3 - Touch Safe Housings (UL1977, Section 10.2)

4 - IP68 Interfacial Sealing Gasket

5 - Latch (top or bottom of plug or receptacle)

6 - Power Contacts (up to 45 amps)

7 - Signal Contacts (4 contacts per PPMX housing)

8 - Uses Industry Standard Sealing Components

(PG gland compatible - size 21)

9 - First Mate / Last Break Ground Contacts

10 - Color Coded Housings to Match Wire Color

11 - UV & Chemical Resistant Ruggedized Shells

Additional Features Available on the Right Angle Include:

12 - Uses Industry Standard PG Gland

(PG gland compatible - size 21 or 29)

13 - Right Angle Backshell Lockable in 8 Directions for Cable Routing

14 - Integrated Strain Relief

15 - Ruggedized Right Angle Plug Shell

Specifications

SPEC Pak® Shell / Components

Electrical

UL Voltage Rating (AC/DC)	600
Dielectric Withstanding Voltage (AC)	3000
Operating Temperature (°C)	-40° to 105°
(°F)	-40° to 221°
Flammability Rating of SPEC Shells	UL 94V-0

Mechanical

Shells / Latch Mating Cycles	1500 Min
Connect / Disconnect (lbf)	18 Max
(N)	80 Max
IP Rating	IP68
UL50 Sec 30 Sealing Requirement	Pass

Material

Shells (Plug / Receptacle)	PBT
Latch	Nylon
Holder	Polycarbonate

PPMX (4800 Series) Powerpole® Signal Contact

Ratings for SPEC Pak® Use

Electrical

UL Current Rating (Amperes)	7
Voltage Rating (AC/DC)	300
Contact Barrel Wire Size (AWG)	#20 to #24
(mm²)	0.5 to 0.25
Contact Retention Force (lbf)	12.0
(N)	53.0
Insertion Force (lbf)	4.5 Max
(N)	20.0 Max
Operating Temperature (°C)	-20° to 105°
(°F)	-4° to 221°

Mechanical

Mating Cycles (No load)	1500
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Material

Housing Material	PBT
Contact Material	Copper Alloy
Contact Plating	Gold, 50 Micro-inches

NOTE: PPMX Contacts, up to 4 per housing

Powerpole® Power (1327FP Series) & Ground (1827 Series) Contacts

Ratings for SPEC Pak® Use

Electrical

UL Current Rating (Amperes)	15 to 45
CSA (30°C Rise) (Amperes)	10 to 29
Voltage Rating (AC/DC)	600
Contact Barrel Wire Size (AWG) - Power	20 to 10
- Ground	14 to 10
(mm²) - Power	0.5 to 4.0
- Ground	1.5 to 4.0
Average Contact Resistance (micro-ohms)	600
Contact Retention Force (lbf)	25
(N)	111
Operating Temperature (°C)	-20° to 105°
(°F)	-4° to 221°
Flammability Rating	UL94 V-0

Mechanical

Mating Cycles	
No Load	
- Tin	1,500
- Silver	10,000
Under Load (Hot Plug 250 mating cycles @ 120V) *	30A
(Hot Plug 250 mating cycles @ 72V) *	45A
Mechanical Shock (50 g)	Mil Standard
	202 213 Cond. A
Vibration (10 g)	Mil Standard
	202 204 Cond. A

Material

Housing Material	Polycarbonate
Touch Safe (Power / Signal Housing)	UL1977 Sec. 10.2
Contact Material	Copper
Contact Plating	Tin or Silver

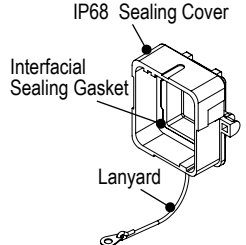
* Hot Plug testing completed with individual Powerpole® housings

NOTE: Agency approvals - TUV (contact customer service) / Patents



Part Number Configurator

PART NUMBER PLAN

SPEC Pak® Series (1 fixed character)	Shell Color (1 character)	Shell Style (1 character)	Dash	Shell Size (mm) (3 characters)	Insert Arrangement (3 characters)
S	K	2	-	053	B06
S = SPEC Pak® Series	K = Black	2 = Panel Mount Receptacle 6 = Straight Plug 8 = Right Angle Plug 9 = Cover		053 = 53 mm - 6 Pole Shell A53 = 53 mm - 6 Pole Right Angle Shell, PG 21 B53 = 53 mm - 6 Pole Right Angle Shell, PG 29	B06 = PP15/45 Housing (any type), 6 Pole
PLUG KIT		RIGHT ANGLE PLUG KIT		PANEL MOUNT RECEPTACLE KIT	
					
					
NOTE: - Mounting hardware (4 each - M3.5 or #6 screws) not included - Recommended torque for mounting hardware is 3½ to 5 in-lbf (0.4 to 0.56 Nm)					

KIT ORDERING INFORMATION

SPEC Pak® Kits		SPEC Pak® Kits		Component Replacement Parts	
Part Number	Description	Part Number	Description	Part Number	Description
SK6-053B06	Plug kit - Plug shell (includes interfacial sealing gasket) - Powerpole® holder for plug - Retaining pin	SK2-053B06	Receptacle kit - Panel mount gasket for receptacle - Receptacle shell with latch - Retention pin - Powerpole® holder for receptacle	114765P1	Panel mount gasket for receptacle
SK8-A53B06	Right angle plug kit for PG 21 - Right angle backshell for PG 21 - Locking nut - O-ring - Plug shell - Retaining pin - Powerpole® holder for plug	SK9-053	Cover kit (receptacle only) - Protective sealing (IP68) cover for receptacle with lanyard	2-8658P1	6 position latch
SK8-B53B06	Right angle plug kit for PG 29 - Right angle backshell for PG 29 - Locking nut - O-ring - Plug shell - Retaining pin - Powerpole® holder for plug			2-8654P1	Right angle locking nut
				114915P2	Right angle O-ring

PART NUMBER PLAN

Wire Protection See pages 6 & 7 (4 characters)	Dash	Housing Arrangement For more information see pages 8 & 9 (1 character)	Contact (2 characters)	Dash	APP® Content (3 characters)
PS		0	00		A01
00 = None PS = Plastic Short PF = Plastic With Flex Spring PM = Plastic Multi Hole CT = Conduit Adapter Thread CA = Conduit Adapter Push-in NOTE: (1) See PG Gland charts on page 6 & 7 for details. (2) Panel mount receptacle side is always "00". (3) For right angle, only PS and PM types available.		0 = Custom Configuration - Use Next Section A = AC, Single Phase B = AC, 3 Phase, 3 Wire C = DC, 2 Circuit, 4 Wire D = DC, 2 Circuit, 4 Wire, With Ground E = AC, 3 Phase, 4 Wire F = AC, 3 Phase, 5 Wire G = DC, 2 Circuit, 6 Wire H = DC, 2 Circuit, 4 Wire With 8 Signal J = AC, Single Phase With Signal K = AC, 3 Phase, 3 Wire With 4 Signal L = DC, 2 Circuit, 4 Wire, With 4 Signal M = AC, 3 Phase, 3 Wire With 8 Signal N = DC, 2 Circuit, 4 Wire, With Ground & 4 Signal P = AC, 3 Phase, 4 Wire With 4 Signal X = All Signal	00 = Custom Configuration - Use Next Section 01 = 261G2 Contact for #10 to #14 AWG (4.0 to 1.5 mm²) Wire 02 = 200G1L Contact for #10 to #14 AWG (4.0 to 1.5 mm²) Wire 03 = 261G1 Contact for #12 to #16 AWG (2.5 to 1.0 mm²) Wire 04 = 1331 Contact for #12 to #16 AWG (2.5 to 1.0 mm²) Wire 05 = 262G1 Contact for #16 to #20 AWG (1.0 to 0.5 mm²) Wire 06 = 1332 Contact for #16 to #20 AWG (1.0 to 0.5 mm²) Wire 07 = 200G2L Contact for #16 to #20 AWG (1.0 to 0.5 mm²) Wire 99 = All Signal <i>Amperage Ratings are available on Page 9.</i>		00 = None 01- 99 = Varies By Gland Type Custom Configuration* Contact Factory

Part Numbering Notes:

- 1) To order SPEC Pak® "Shell Kits Only" (no internal Powerpole® housings or contacts), use part numbering on page 4 only. **Plug Shell Kit Example: SK6-053B06** Powerpole® housings, contacts and wire protection may be ordered separately, see pages 6, 7 and 10 for information.
- 2) To order complete standard configured SPEC Pak® connector kits (including internal Powerpole® housings and contacts) use Part Number Plan across the top of pages 4 and 5. **Standard SPEC Pak® Plug Connector Kit Configuration Example: SK6-053B06PS01-D02**
- 3) To order a custom configuration which is not listed on page 8 and 9, use APP® custom part number configurator on the APP® website, www.andersonpower.com, or contact factory.

* Custom configurations may not be UL Recognized.

Wire Protection - PG Gland

SPECIFICATIONS

Material (Push-in Conduit)		Material (All Others)		Torque Requirements
Shell	Nylon PA	Shell	Nylon PA 66 (UL94 V-2)*	Cable Gland Body to Plug Housing - Hand tighten until snug, tighten additional 1/8 - 1/4 turn with wrench
Gasket	TPE	Gasket	EPDM	
Color	Black	Color	Black	
Mechanical		Mechanical		Sealing Nut to Cable
Operating Temp	-30°C to 100°C (-22°F to 212°F)	Operating Temp	-40°C to 105°C (-40°F to 221°F)	- Hand tighten until snug, tighten additional 1/2 - 3/4 turn with wrench
IP Rating	IP68	IP Rating	IP68	
Thread Type	PG	UV Rating	Equivalent to UL746C F1	
		Thread Type	PG	

* Contact factory for UL94 V-0 material

NOTE: Only UL listed cable glands are UL recognized components when used with SPEC Pak® connector(s).

STRAIGHT PLASTIC SHORT THREAD TYPE - STD PACK 50 / UL LISTED

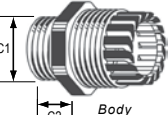




Lock Nut



Washer



C1

C2

Body



Seal



Sealing Nut



Seal



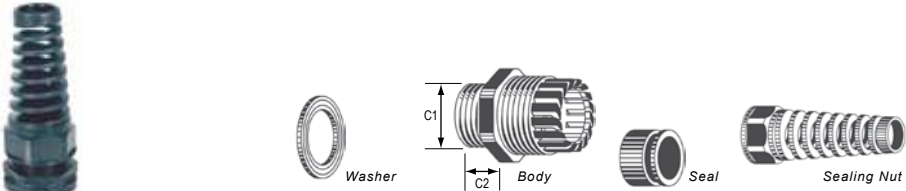
Claw



Sealing Nut

APP®	APP®	Wire Protection	Straight Gland Kit					Right Angle Gland Kit		
P/N	P/N	Designation	PG Gland	Number	Cable Range	Thread O. D.	Panel Mounting	Thread	Wrench Size	Wrench Size
Right Angle	Straight	(4 Characters)	Size	of Holes	Wire Outer Dia. mm (in)	C1 mm (in)	Hole mm (in)	Length	Lock Nut (mm)	Sealing Nut (mm)
RPS1P21-16X	PS1P21-16X	PS01	21	1	16.2 - 10.5 (0.64 - 0.41)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12 (0.47)	36	33
RPS1P21-18X	PS1P21-18X	PS02	21	1	18.5 - 13 (0.73 - 0.51)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12 (0.47)	36	33
RPS1P29-22X	N/A	PS11	29	1	22 - 16 (0.86 - 0.63)	37 (1.46)	37 - 37.4 (1.46 - 1.47)	12 (0.47)	46	42
RPS1P29-25X	N/A	PS12	29	1	25 - 18 (0.98 - 0.71)	37 (1.46)	37 - 37.4 (1.46 - 1.47)	12 (0.47)	46	42

STRAIGHT PLASTIC WITH FLEX SPRING - STD PACK 50 / UL LISTED

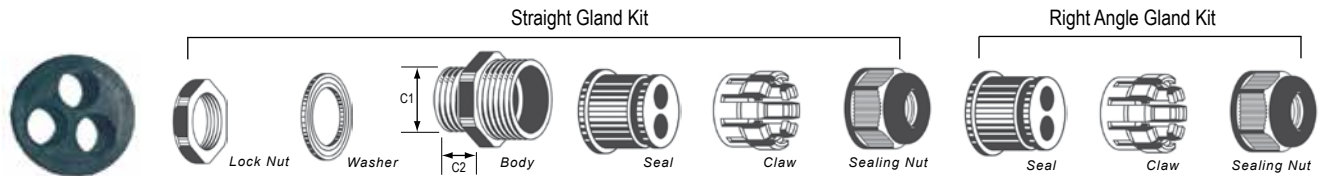
							
APP® P/N	Wire Protection Designation (4 Characters)	Cable Range Wire Outer Dia. mm (in)	Thread O. D. C1 mm (in)	Panel Mounting Hole mm (in)	Thread Length C2 mm (in)	Wrench Size Lock Nut (mm)	Wrench Size Sealing Nut (mm)
Straight							
PF1P21-16X	PF01	15.8 - 10.5 (0.62 - 0.41)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12 (0.47)	36	33

LOCK NUT FOR PG 21 CABLE GLANDS

APP® P/N	Wrench Size Lock Nut (mm)	Std. Pkg. Size
124G30	36	50

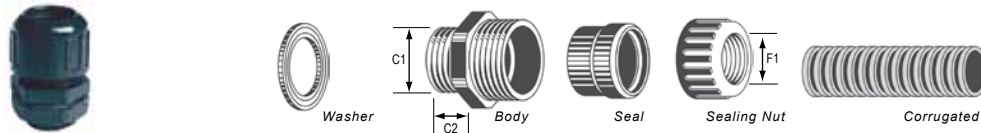


STRAIGHT PLASTIC MULTI-HOLE TYPE - STD PACK 50 / NOT UL LISTED



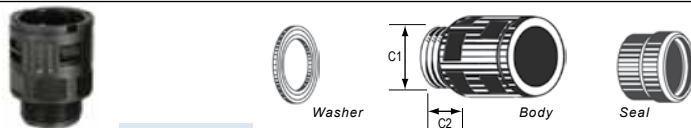
APP® P/N	APP® P/N	Wire Protection Designation (4 Characters)	PG Gland Size	Number of Holes	Cable Range Wire Outer Dia. mm(in)	Thread O.D. C1 mm (in)	Panel Mounting Hole mm (in)	Thread Length C2 mm (in)	Wrench Size Lock Nut (mm)	Wrench Size Sealing Nut (mm)
Right Angle	Straight									
RPS2P21-5X	PS2P21-5X	PM21	21	2	5.2 - 3.6 (0.20 - 0.14)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12.5 (0.49)	36	33
RPS2P21-6X	PS2P21-6X	PM22	21	2	6.5 - 5.1 (0.26 - 0.20)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12.5 (0.49)	36	33
RPS2P21-8X	PS2P21-8X	PM23	21	2	8.7 - 6.4 (0.34 - 0.25)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12.5 (0.49)	36	33
RPS3P21-5X	PS3P21-5X	PM31	21	3	5.2 - 3.6 (0.20 - 0.14)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12.5 (0.49)	36	33
RPS3P21-6X	PS3P21-6X	PM32	21	3	6.2 - 4.8 (0.24 - 0.19)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12.5 (0.49)	36	33
RPS3P21-8X	PS3P21-8X	PM33	21	3	8.0 - 6.2 (0.31 - 0.24)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12.5 (0.49)	36	33
RPS4P21-3X	PS4P21-3X	PM41	21	4	3.1 - 2.0 (0.12 - 0.08)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12.5 (0.49)	36	33
RPS4P21-4X	PS4P21-4X	PM42	21	4	4.1 - 3.0 (0.16 - 0.12)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12.5 (0.49)	36	33
RPS4P21-5X	PS4P21-5X	PM43	21	4	5.2 - 3.8 (0.20 - 0.15)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12.5 (0.49)	36	33
RPS4P21-7X	PS4P21-7X	PM44	21	4	7.3 - 5.6 (0.29 - 0.22)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12.5 (0.49)	36	33
RPS5P21-3X	PS5P21-3X	PM51	21	5	3.6 - 2.6 (0.14 - 0.10)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12.5 (0.49)	36	33
RPS5P21-4X	PS5P21-4X	PM52	21	5	4.6 - 3.6 (0.18 - 0.14)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12.5 (0.49)	36	33
RPS5P21-6X	PS5P21-6X	PM53	21	5	6.0 - 4.6 (0.24 - 0.18)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12.5 (0.49)	36	33
RPS6P21-3X	PS6P21-3X	PM61	21	6	3.6 - 2.6 (0.14 - 0.10)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12.5 (0.49)	36	33
RPS6P21-5X	PS6P21-5X	PM62	21	6	5.2 - 3.6 (0.20 - 0.14)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12.5 (0.49)	36	33

STRAIGHT CONDUIT ADAPTER THREAD TYPE - STD PACK 50 / NOT UL LISTED



APP® P/N	Wire Protection Designation (4 Characters)	Max. Joint F1 mm (in)	Thread O.D. C1 mm (in)	Panel Mounting Hole mm (in)	Thread Length C2 mm (in)	Wrench Size Lock Nut (mm)	APP® Conduit P/N	Conduit O. D.
CT1P21-21X	CT02	22.0 (0.87)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12 (0.47)	36	NGN - 17B	21.2 (0.83)
CT1P21-26X	CT03	26.5 (1.04)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12 (0.47)	36	NGN - 22B	26.2 (1.03)
CT1P21-28X	CT04	28.5 (1.12)	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12 (0.47)	36	NGN - 23B	28.5 (1.12)

STRAIGHT CONDUIT PUSH-IN TYPE - STD PACK 50 / NOT UL LISTED



APP® P/N	Wire Protection Designation (4 Characters)	Thread O.D. C1 mm (in)	Panel Mounting Hole mm (in)	Thread Length C2 mm (in)	Wrench Size Lock Nut (mm)	APP® Conduit P/N	Conduit O. D.
CAP21-28X	CA04	28.3 (1.11)	28.3 - 28.7 (1.11 - 1.13)	12 (0.5)	36	NGN - 23B	28.5 (1.12)

CORRUGATED NYLON PLASTIC TUBING

APP® P/N	Conduit I. D. mm (in)	Conduit O. D. mm (in)	Conduit Size	Trade Size (mm)	Std. Pkg. Meters (Feet)
NGN - 17B	16.7 (0.66)	21.2 (0.83)	1/2"	OD21.2	50 (164)
NGN - 22B	21.2 (0.83)	26.2 (1.03)	-	-	50 (164)
NGN - 23B	21.7 (0.85)	28.5 (1.12)	3/4"	OD28.5	50 (164)

TUBING CUTTER



APP® P/N	Description	Range (mm)
TM0002	Corrugated Plastic Tubing Cutter	Up to OD 34.5

Standard Housing Arrangements & Contacts

HOUSING ARRANGEMENTS FOR POWER, SIGNAL & GROUND CONNECTORS

ARRANGEMENTS REPRESENT FRONT VIEW OF RECEPTACLE

Custom configurations may be created using APP's part number configurator at www.andersonpower.com

E = Empty

1327 Series = Power

1827 Series = Ground

4800 Series = Signal

0 Custom Configuration

AC Single Phase

A	1327G6FP	E
	E	1827G1
	1327G7FP	E

AC 3 Phase, 3 Wire

B	1327G6FP	E
	1327G7FP	1827G1
	1327FP	E

DC 2 Circuit, 4 Wire

C	1327G6FP	1327G6FP
	E	E
	1327FP	1327FP

DC 2 Circuit, 4 Wire With Ground

D	1327G6FP	1327G6FP
	E	1827G1
	1327FP	1327FP

AC 3 Phase, 4 Wire

E	1327G6FP	1327G8FP
	1327G7FP	1827G1
	1327FP	E

AC 3 Phase, 5 Wire

F	1327G6FP	1327G8FP
	1327G7FP	1827G1
	1327FP	1327G16FP

DC 2 Circuit, 6 Wire

G	1327FP	1327G6FP
	1327FP	1327G6FP
	1327FP	1327G6FP

DC 2 Circuit, 4 Wire With 8 Signal

H	1327G6FP	1327G6FP
	4827G6	4827G6
	1327FP	1327FP

AC Single Phase With 4 Signal

J	1327G6FP	E
	E	1827G1
	1327G7FP	4827G6

AC 3 Phase, 3 Wire With 4 Signal

K	1327G6FP	E
	1327G7FP	1827G1
	1327FP	4827G6

DC 2 Circuit, 4 Wire With 4 Signal

L	1327G6FP	1327G6FP
	E	4827G6
	1327FP	1327FP

AC 3 Phase, 3 Wire With 8 Signal

M	1327FP	1327G7FP
	4827G6	4827G6
	1327G6FP	1827G1

DC 2 Circuit, 4 Wire With Ground & 4 Signal

N	1327G6FP	1327G6FP
	4827G6	1827G1
	1327FP	1327FP

AC 3 Phase, 4 Wire With 4 Signal

P	1327G6FP	1327G8FP
	1327G7FP	1827G1
	1327FP	4827G6

All Signal

X	4827G6	4827G6
	4827G6	4827G6
	4827G6	4827G6

CONTINUOUS CURRENT RATINGS - POWER CONTACT CODE SELECTION

Contact Code	Power Contacts	Housing Configuration	Wire Size / Current Rating					
			#10	#12	#14	#16	#18	#20
00	Contacts Purchased Separately							
01	261G2	A - C	29/40	20/33	15/23	—	—	—
		D - G	24/36	20/25	15/21	—	—	—
		H - P	29/40	20/33	15/22	—	—	—
02	200G1L	A - C	27/37	20/32	15/22	—	—	—
		D - G	22/33	18/25	15/20	—	—	—
		H - P	27/37	20/32	15/22	—	—	—
03	261G1	A - C	—	20/33	15/23	12/18	—	—
		D - G	—	20/25	15/21	12/18	—	—
		H - P	—	20/33	15/22	12/18	—	—
04	1331	A - C	—	17/25	15/25	13/20	—	—
		D - G	—	15/25	15/22	13/18	—	—
		H - P	—	17/25	15/20	13/20	—	—
05	262G1	A - C	—	—	—	12/18	10/15	7/10
		D - G	—	—	—	12/18	8/13	6/9
		H - P	—	—	—	12/18	10/15	7/10
06	1332	A - C	—	—	—	13/20	9/14	6/9
		D - G	—	—	—	13/18	7/12	5/8
		H - P	—	—	—	13/20	9/14	6/9

NOTES:

1. Current ratings:

- First number represents current rating per pole for 30°C temperature rise (29 / 40)
- Second number is the maximum recommended current per pole based on a 25°C ambient (29 / 40)

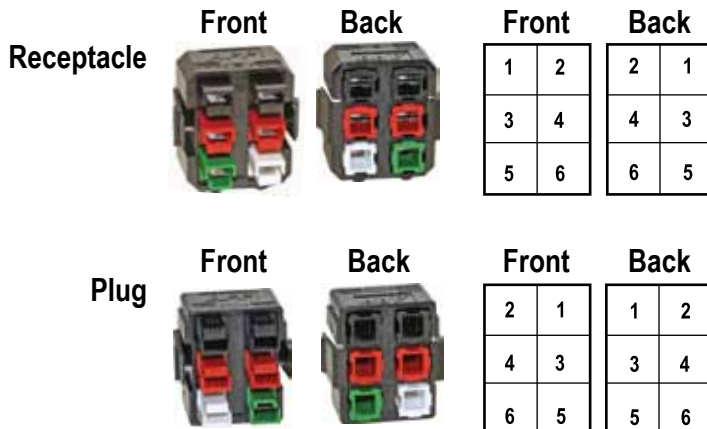
2. Configuration H - P based on signal contacts crimped to #20 AWG wire and carrying 1 amp

3. — Denotes wire size not appropriate for power contact

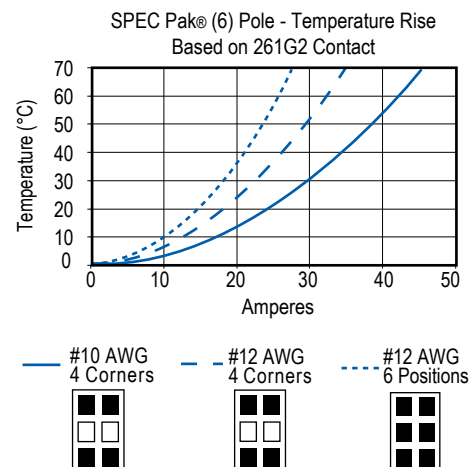
4. Shaded boxes are cULus File No. E26226 pending.

5. 1827G1 housing with 1830G1 or 1830G2 ground contact depending on primary contacts (see chart above). All signal housing kits (4850G6) come with two 4802G3 and two 4802G3 contacts.

HOLDER LOCATIONS (VIEWS)



TEMPERATURE CHART



Individual Components

POWERPOLE® HOUSINGS & CONTACTS

Fingerproof PP15/45 Housing Only

Package Quantity:

Standard, 100 pieces - Bulk, 1,000 pieces

Standard	Bulk	
Part Number	Part Number	Description
1327FP	1327FP-BK	Red Housing
1327G5FP	1327G5FP-BK	Green Housing
1327G6FP	1327G6FP-BK	Black Housing
1327G7FP	1327G7FP-BK	White Housing
1327G8FP	1327G8FP-BK	Blue Housing
1327G16FP	1327G16FP-BK	Yellow Housing

Standard PP 15/45 Housing Only

Package Quantity:

Standard, 100 pieces - Bulk, 1,000 pieces

Standard	Bulk	
Part Number	Part Number	Description
1327	1327-BK	Red Housing
1327G5	1327G5-BK	Green Housing
1327G6	1327G6-BK	Black Housing
1327G7	1327G7-BK	White Housing
1327G8	1327G8-BK	Blue Housing
1327G16	1327G16-BK	Yellow Housing
1327G17	1327G17-BK	Orange Housing
1327G18	1327G18-BK	Gray Housing
1327G21	1327G21-BK	Brown Housing
1327G22	1327G22-BK	Pink Housing
1327G23	1327G23-BK	Purple Housing

Premate Ground PP15/45 Housing Only

Package Quantity:

Standard, 100 pieces - Bulk, 1,000 pieces

Standard	Bulk	
Part Number	Part Number	Description
1827G1	1827G1-BK	Green Housing

Premate Ground Contacts

Loose Piece

Package Quantity 100

Part	
Number	Description
#10 to #14 AWG (4 to 1.5 mm ²)	
1830G1-LPBK	Singulated-LD-Tin Plate
1830G2-LPBK	Singulated-LD-Silver Plate

Reel

Package Quantity 5,000

Part	
Number	Description
#10 to #14 AWG (4 to 1.5 mm ²)	
1830G1	Reel-LD-Tin Plate
1830G2	Reel-LD-Silver Plate

15/45 Powerpole® Contacts

Loose Piece

Package Quantity:

Standard, 100 pieces - Bulk, 1,000 pieces

Standard	Bulk	
Part Number	Part Number	Description
#16 to #20 AWG (1.0 to 0.5 mm ²)		
1332	1332-BK	Individual-LD-Silver Plate
262G1-LPBK	-	Singulated Reel-LD-Tin Plate
262G2-LPBK	-	Singulated Reel-LD-Silver Plate

#12 to #16 AWG (2.5 to 1.0 mm²)

1331	1331-BK	Individual-LD-Silver Plate
261G1-LPBK	-	Singulated Reel-LD-Tin Plate

#10 to #14 AWG (4 to 1.5 mm²)

261G2-LPBK	-	Singulated Reel-LD-Tin Plate
261G3-LPBK	-	Singulated Reel-LD-Silver Plate
200G1L-LPBK	-	Superflex, Sing. Reel-LD-Tin Plate

Reel - 15/45 Powerpole® Contacts

Package Quantity 5,000

Part	
Number	Description
#16 to #20 AWG (1.0 to 0.5 mm ²)	
262G1	Reel-LD-Tin Plate
262G2	Reel-LD-Silver Plate

#12 to #16 AWG (2.5 to 1.0 mm²)

261G1	Reel-LD-Tin Plate
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#10 to #14 AWG (4 to 1.5 mm²)

261G2	Reel-LD-Tin Plate
261G3	Reel-LD-Silver Plate

#10 to #14 AWG (6 to 1.5mm²)

200G1L	SuperFlex, Reel-LD-Tin Plate
--------	------------------------------

NOTE:

LD - Low Detent

For additional housing colors please contact customer service.

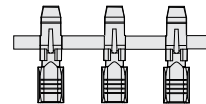
CONTACT STYLES



Individual



Singulated Open Barrel



On a Reel

PPMX (4800 SERIES) HOUSING & CONTACTS

PPMX Housing

Package Quantity

Standard, 25 pieces - Bulk, 1,000 pieces

Standard	Bulk	
Part Number	Part Number	Description
4827G6	4827G6-BK	Black two piece housing

PPMX Contacts

Package Quantity

Standard, 50 pieces - Bulk, 2,000 pieces

Loose Piece

#20 to #24 AWG (0.50 to 0.25 mm²)

Standard	Bulk	
Part Number	Part Number	Description
4802G3	4802G3-BK	Socket, Gold, 50 Micro-inches
4803G3	4803G3-BK	Pin, Gold, 50 Micro-inches

PPMX Housing & Contact Kits

Package Quantity

Standard, 100 pieces

1 Black two piece housing, 2 Male Contacts,
2 Female Contacts

Standard	Bulk	
Part Number	Part Number	Description
4850G6	-	50 Micro-inches Gold Plated Contacts - Pin & Socket

PP15/45 POWERPOLE® HOUSING STYLES



APPLICATION TOOLING - POWERPOLE® 15 / 45 CONTACTS

Loose Piece Tin Part Number	Loose Piece Silver Part Number	Hand Tool or Pneumatic Tool			Reeled Tin Part Number	Reeled Silver Part Number	ATS Applicator
N/A	1332	1309G2 or 1309G8		1367G1	N/A	N/A	N/A
N/A	1331			N/A	N/A	N/A	
262G1-LPBK	262G2-LPBK			N/A	261G1	262G2	1385520
200G2L-LPBK	200G4L-LPBK	200G2L	200G4L		TBD		
261G1-LPBK	261G4-LPBK	1309G3 or 1309G8	261G1		261G4	1385520	
261G2-LPBK	261G3-LPBK		261G2		261G3	1385458	
200G1L-LPBK	200G3L-LPBK	1309G6 or 1309G8	200G1L		200G3L	1385460	
1830G1-LPBK	1830G2-LPBK		1830G1	1830G2	1385460		

* All Hand and Pneumatic Tools for use with Loose Piece contacts only. All reeled contacts can be ordered singulated, (Loose Piece) with the suffix "- LPBK"

** 1309G8 is a hand tool kit- includes dies and locators to make up 1309G2, 1309G3, & 1309G6

APPLICATION TOOLING - PPMX CONTACTS

Contact Part Number	APP® Hand Tool or	Mil Std. Hand Tool (APP Part #)	+	Positioner	+	Pneumatic Tool for Locator / Turret
4802G3	PM1000G1	M22520/1-01 (TM0001)	+	No Mil Std. (TL0005)	+	TP0001
4803G3						

Dimensions

PLUG 6 POSITION FOR PP15/45 HOUSINGS

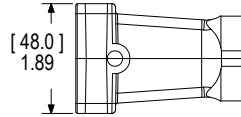
Top View



Front View



Side View



Mated Side View



RIGHT ANGLE PLUG 6 POSITION FOR PP15/45 - GLAND SIZE PG 21

Top View



Front View



Side View



PG Gland	- A - mm	- A - in.	- B - mm	- B - in.
PG 21	104.7	4.12	36.4	1.43
PG 29	105.5	4.15	47.4	1.86

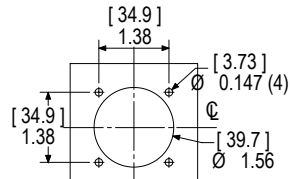
Mated Side View



For PG 29 dimensions, please see APP website

RECEPTACLE 6 POSITION FOR PP15/45 HOUSINGS

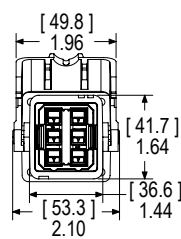
Panel Cut Out



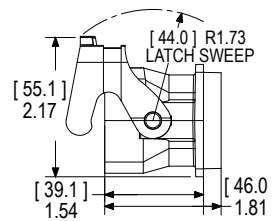
PANEL CUT OUT $\varnothing$

(SAME AS 26482 & 5015 SHELL SIZE 24)

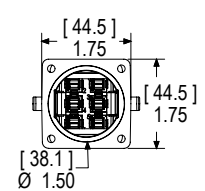
Front View



Side View



Back View

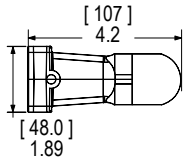


NOTE: Mounting hardware #6 screw / torque receptacle to panel 3/4 to 5 in-lbf (0.4 to 0.56 Nm)

PG GLANDS

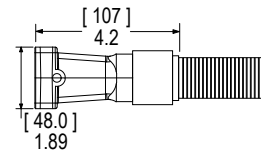
PS

Plastic Short



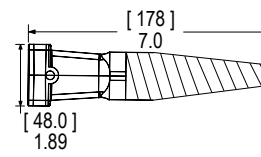
CT

Thread Conduit Adapter



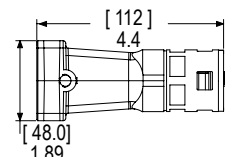
PF

Plastic Flex PG



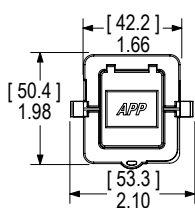
CA

Push-in Conduit Adapter

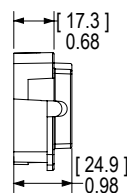


RECEPTACLE COVER KIT

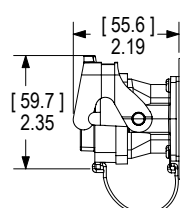
Front View



Side View



Mated Side View



All Data Subject To Change Without Notice

Patents

15052 DS-SPAK REV06

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