

# 5 POLE MID POWER **SPEC Pak**<sup>®</sup>

Sealed Power For Environmental Connections



3 Phase AC Power Distribution | Motors & Controls | Industrial Equipment  
60 Amps | Compact Sealed Connector | IP68



**APP**<sup>®</sup>  
Anderson Power Products<sup>®</sup>

An **IDEAL** Company

Electrical		
<b>Current Rating (Amperes)</b>	<b>UL 1977</b>	<b>CSA</b>
10 AWG	45	30
8 AWG	60	40
<b>Voltage Rating</b>		
UL 1977 (AC/DC)	600	
<b>Grounding</b>		
UL 2238, Sec 37.8	Pass	
<b>Contact Resistance (average)</b>	.300 Milliohms	

Materials	
<b>Shell, Housing &amp; Sealing Nut</b>	PC/PBT
<b>Contact Holders</b>	PBT- GF
<b>Contact Retention Clip</b>	Be-Cu
<b>Latch</b>	Stainless Steel
<b>Flammability</b>	UL 94 V-0
<b>Weatherability</b>	UL 746C F1
<b>Sockets</b>	Copper
SC08-GH	Ag plating over Ni
SC08-SN	Ag plating over Ni
<b>Pins</b>	Copper
PP08SGH	Ag plating over Ni
PC08SSN	Ag plating over Ni

Mechanical	
<b>Environmental Seal</b>	
IEC 60529	IP 68
UL 50E	Pass
<b>Wire Size</b>	10 to 8 AWG 6.0 to 8.4 mm <sup>2</sup>
<b>Operating Temperature</b>	
UL 1977	-40 to 105°C -40 to 221°F
<b>Mating Cycles (no load)</b>	250 min
<b>Mating Force (nominal)</b>	28 lbf 125 N
<b>Unmating Force</b>	12 lbf 53 N
<b>Contact Retention Force (min)</b>	50 lbf 222 N
<b>Touch Safe (IEC 60529)</b>	IP 20 (socket side only)

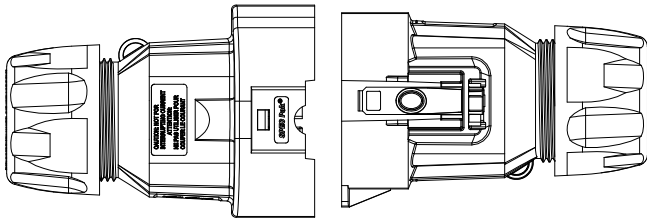


Silver = Ag Gold = Au Nickel = Ni

## ORDERING INFORMATION

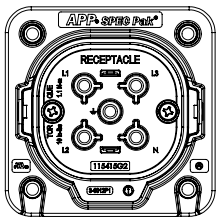
SPEC Pak® is a highly configurable environmentally sealed connector. For convenience, follow the steps below to determine component part numbers.

### Step 1: Select Shell



**SK1-076D05**  
Inline Receptacle

**SK6-076D05**  
Plug

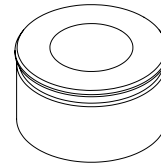


**SK2-076D05**  
Panel Mount Receptacle & Gasket

Description	- Part Numbers -
Minimum Quantity .....	25
Inline Receptacle Shell	SK1-076D05
Plug Shell	SK6-076D05
Panel Mount Receptacle	SK2-076D05
Receptacle Cover	SK9-076
Plug Cover	SK9P-076

Contact holders are available with multiple keys, please inquire.

### Step 2: Select Sealing Gland



\* Define:

	<u>Number of Wires</u>	<u>Wire OD</u>
Wires		
- Discrete	_____	_____
- Bundled	_____	_____

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

\* Wire protection is required for use with inline receptacles (SK1-076D0) and plugs (SK6-076D05) to obtain IP68 seal.

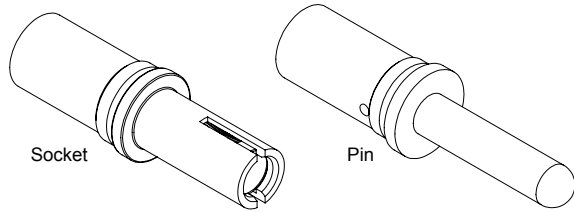
Number of Holes	Cable Range Wire Outer Diameter mm (in)	Sealing Grommet Only - Part Numbers -
Minimum Quantity .....		10
1	18.0 - 24.0 mm (0.79" - 0.85")	B02130P7

Other sealing grommets available, please inquire.

#### Torque Requirements

Hand tighten. Using a 44 mm wrench or strap wrench, tighten an additional 3/4—1 turn.

## Step 3: Select Contacts



\* Define:

**Contacts**

	<u>Number of Circuits</u>	<u>Wire Gauge</u>
- Power	_____	_____
- Other	_____	_____

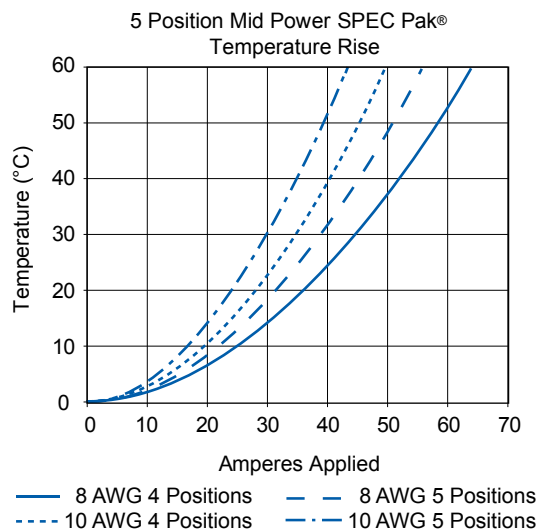
Amps (continuous): \_\_\_\_ Max amps at \_\_\_\_ volts

\* Select power and/or ground contacts appropriate for your wire size (AWG or mm<sup>2</sup>).

• Sockets are used in the receptacles  
(part numbers SK1-076D05 & SK2-076D05)

• Pins are used in the plug  
(part number SK6-076D05)

## | TEMPERATURE CHART |



Description	- Part Numbers -
Minimum Quantity .....	10
Power Drawer® #8 socket crimp, first-mate	SC08-GH
Power Drawer® #8 socket crimp, standard mate	SC08-SN
Power Drawer® #8 plug crimp, first-mate	PP08SGH
Power Drawer® #8 plug crimp, standard mate	PC08SSN

## | TOOLING |

Wire Size		Part Number	Description	Crimp Tools					
AWG	MM <sup>2</sup>	Power Contact		Pneumatic Bench Tool	Die	Locator	Daniels Mfg Tool*		
				+	+	OR	Tool	Die	Locator
#8/10	8.4/6.0	SC08-GH	POWER DRAWER CONT.#8 SOC.CRIMP, FIRST MATE	1387G1	1388G6	1389G19	M22520/23-01	M22520/23-2	M22520/23-9
#8/10	8.4/6.0	SC08-SN	POWER DRAWER CONT.#8 SOC.CRIMP, STD.MATE				M22520/23-01	M22520/23-2	M22520/23-9
#8/10	8.4/6.0	PP08SGH	POWER DRAWER CONT.#8 PIN,CRIMP, STD.MATE, FIRST MATE				M22520/23-01	M22520/23-2	M22520/23-9
#8/10	8.4/6.0	PC08SSN	POWER DRAWER CONT.#8 PIN,CRIMP, STD.MATE				M22520/23-01	M22520/23-2	M22520/23-9

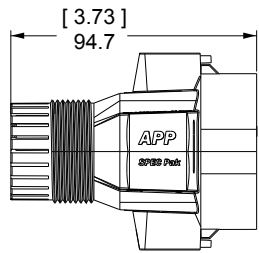
\* Must contact Daniels directly for this tooling option, [www.dmctools.com](http://www.dmctools.com).



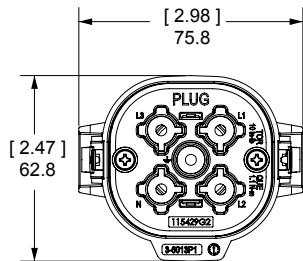
# Dimensions

## | PLUG MID POWER |

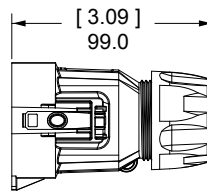
**Top View**



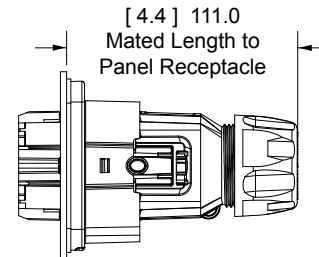
**Front View**



**Side View**

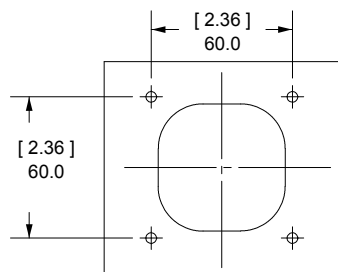


**Mated View**

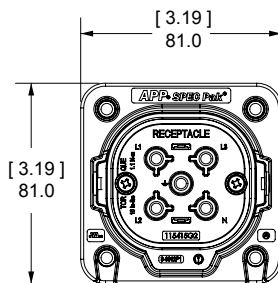


## | PANEL MOUNT RECEPTACLE MID-POWER |

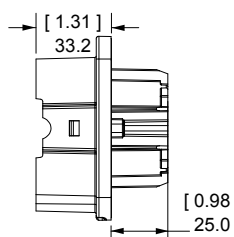
**Panel Cut Out**



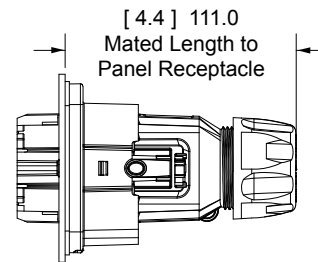
**Front View**



**Side View**

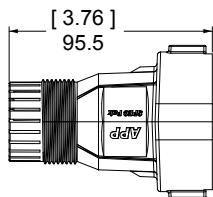


**Mated View**

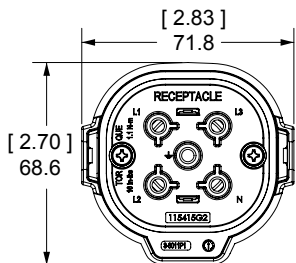


## | INLINE RECEPTACLE MID-POWER |

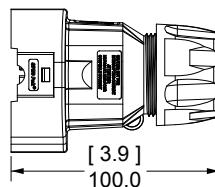
**Top View**



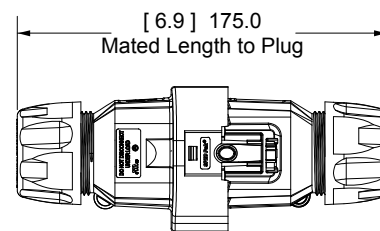
**Front View**



**Side View**

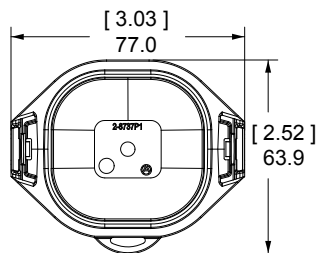


**Mated View**



## | PLUG COVER KIT |

**Front View**

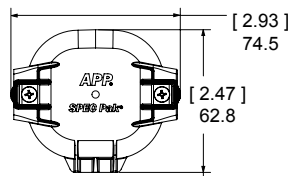


**Side View**

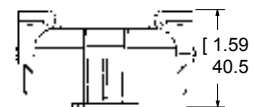


## | RECEPTACLE COVER KIT |

**Front View**



**Side View**



DS-MPSPAK5P REV 0

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# Mouser Electronics

Authorized Distributor

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[PP08SGH](#) [SK2-076D05](#) [SC08-GH](#) [SK1-076D05](#) [SK6-076D05](#)



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- Подбор аналогов;
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- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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