

5 POLE MID POWER **SPEC Pak**[®]

Sealed Power For Environmental Connections



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



APP[®]
Anderson Power Products[®]

An **IDEAL** Company

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

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

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

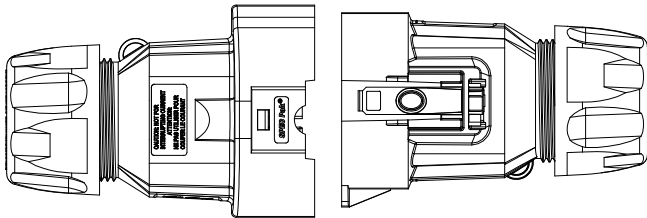


Silver = Ag Gold = Au Nickel = Ni

ORDERING INFORMATION

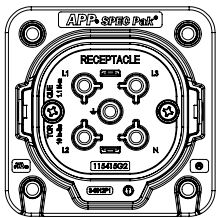
SPEC Pak® is a highly configurable environmentally sealed connector. For convenience, follow the steps below to determine component part numbers.

Step 1: Select Shell



SK1-076D05
Inline Receptacle

SK6-076D05
Plug

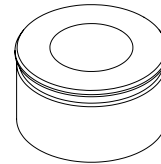


SK2-076D05
Panel Mount Receptacle & Gasket

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.

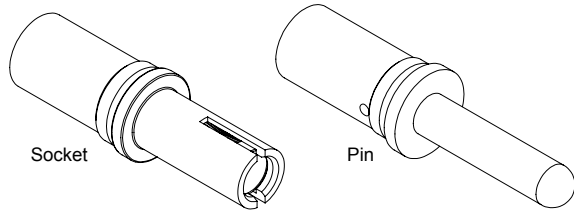
Number of Holes	Cable Range Wire Outer Diameter mm (in)	Sealing Grommet Only - Part Numbers -
Minimum Quantity		10
1	18.0 - 24.0 mm (0.79" - 0.85")	B02130P7

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	_____	_____

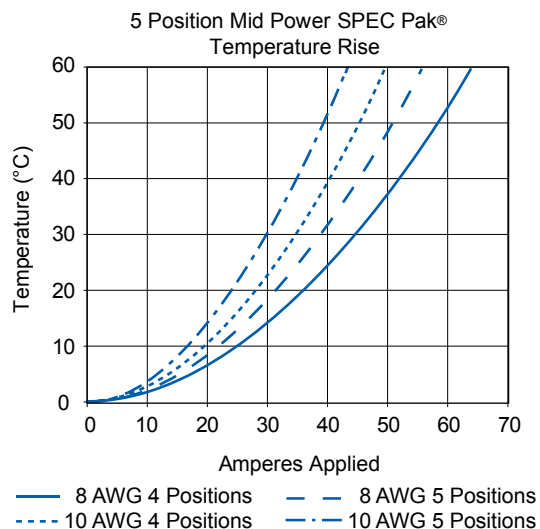
Amps (continuous): ____ Max amps at ____ volts

* Select power and/or ground contacts appropriate for your wire size (AWG or mm²).

• 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 ²	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

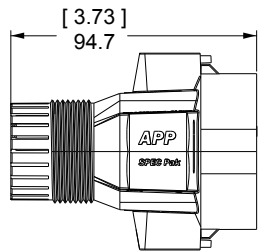
* Must contact Daniels directly for this tooling option, www.dmctools.com.



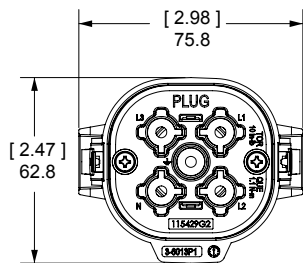
Dimensions

| PLUG MID POWER |

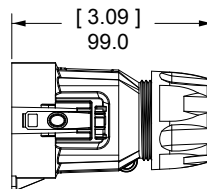
Top View



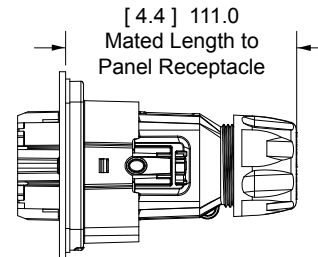
Front View



Side View

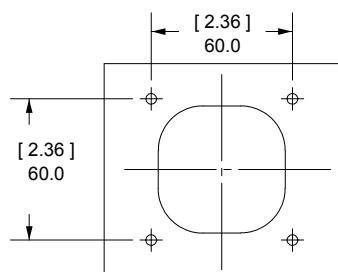


Mated View

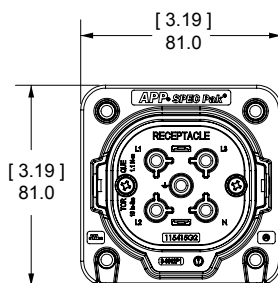


| PANEL MOUNT RECEPTACLE MID-POWER |

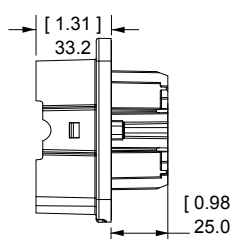
Panel Cut Out



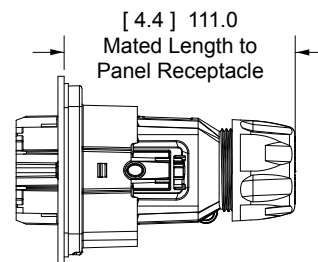
Front View



Side View

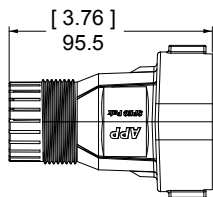


Mated View

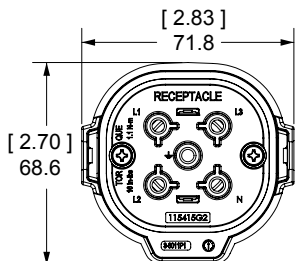


| INLINE RECEPTACLE MID-POWER |

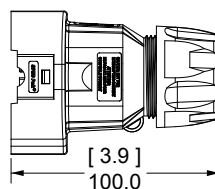
Top View



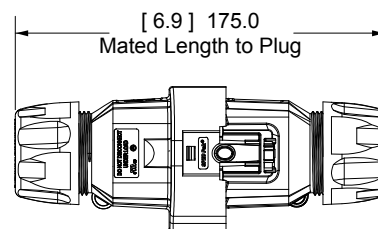
Front View



Side View

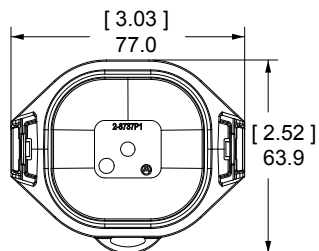


Mated View



| PLUG COVER KIT |

Front View

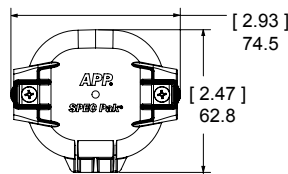


Side View

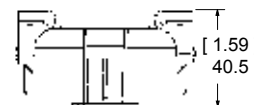


| RECEPTACLE COVER KIT |

Front View



Side View



DS-MPSPAK5P REV 0

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Mouser Electronics

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



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- Подбор аналогов;
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- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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