

Anderson Power Products new line of power drawer series connectors gives our customers more selections than ever to meet their power connector needs. These cost effective, mixed power and signal drawer connectors are manufactured using the same high quality standards that have made APP a leader in the power connector industry for years. The drawer series can be used for a wide range of drawer-type applications such as rectifiers, mainframe computers, telecommunications, and network equipment. If power and signal is required, let Anderson Power Products be "Your Best Connection."

FEATURES

- Industry Standard Contacts**
Allows for cross mating with competitive product
- Wide Selection of Contact Termination**
Provides the designer a wide variety of packaging options
- First-mate and Last-mate Capability**
Grounds and powers the system before mating of signal circuits
- Housing Wall**
Provides protection to socket contacts in unmated condition
- Optional Floating Mount**
Reduces fatiguing stress on connectors during blindmating



PRODUCT SPECIFICATIONS

Electrical	#8	#12	#20	#30	Materials	
Current Rating - (Amperes)	75	35	5	3	Insulator	PBT UL94 V-0
Voltage Rating - (AC/DC)	600	600	600	600	Crimp Pin or Socket Body	Copper Alloy
Voltage Drop mV	6.00	3.30	0.70	0.81	Solder Cup Pin or Socket Body	Brass
Dielectric Withstanding Voltage (AC)	2,200				PCB Pin or Socket Body	Brass
Working Temperature Range (°C)	-40° to 125°				Female Contact	BeCu
(°F)	-40° to 257°					
Mechanical	#8	#12	#20	#30	Contact Plating	
Insertion Force Per Contact (lbf)	2.00	1.80	0.43	0.43	#8 & #12	Silver Over Nickel
(N)	8.92	8.04	1.96	1.96	#20, #12AU & #30	Gold Over Nickel
Extraction Force Per Contact (lbf)	1.26	1.02	0.07	0.07		
(N)	5.59	4.51	0.29	0.29		
Mating Cycles No Load	250					



* Non - UL

ORDERING INFORMATION

Housings Only

Part Number	Description
075MSFW	Socket housing panel float mount

Socket Contacts

Part Number	Termination	Wire	
		AWG	sq. mm
SC30-GN	Crimp	#20	.05
SC20-GN	Crimp	#20	.5
SS20-GN	Solder cup	#20	.5
SP20-GN	PCB tail	#20	.5
SC12-SN	Crimp	#12	2.5
SS12-SN	Solder cup	#12	2.5
SP12-SN	PCB tail	#12	2.5
SC08-SN	Crimp	#8	10
SS08-SN	Solder cup	#8	10
SP08-SN	PCB tail	#8	10

Float Mount Screws

Part Number	Description
FMS6-32	Float mount shoulder screw 6-32 UNC2A
FMS8-32	Float mount shoulder screw 8-32 UNC2A
FMSM4-07	Float mount shoulder screw M4 x0.7

WIRE & TOOLING INFORMATION

Wire Strip Length

The following table represents Anderson Power Products recommended strip lengths for the wire.

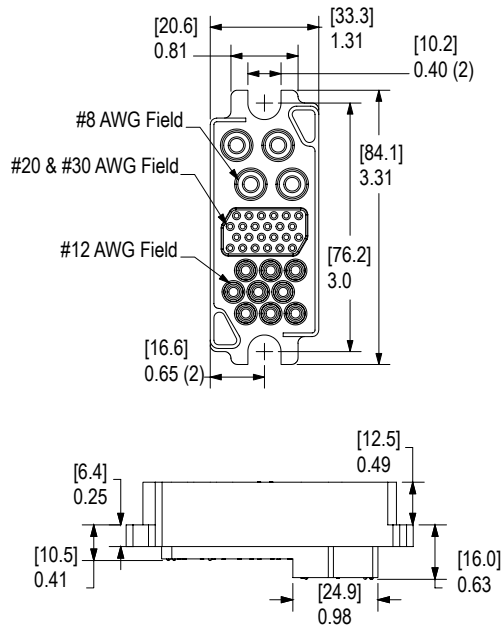
Contact Size	Wire Size	inches	mm
#30	#30	0.21	5.3
#20	#24 - #20	0.21	5.3
#12	#14 - #12	0.27	6.9
#8	#10 - #8	0.50	12.7

Tooling

Contact Part Number	APP Hand Tool	Mil Std. Tool or (APP Part #)	Locator / Turret	Pneumatic Bench Tool	Die	Locator
All Crimp Pins (Except #8)	PM1000G1	M22520/1-01 (TM0001)	M22520/1-02 (TL0003)	TP0001	N/A	TL0003
All Crimp Sockets (Except #8)						
PS08SSN & PS08FSN	N/A	N/A	N/A	1387G1	1388G6	1389G19
SC08-SN						

DIMENSIONS

Socket Housing



TEMPERATURE RISE CHARTS

