

# Connector Features

SERIES	Touch Safe	Blindmate	Latching	Flame Resistance	Hot Plug
Powerpole®	•	• (3)	• (3)	•	•
SB®	•			•	•
SBE®	•			•	•
SBO®	•			•	•
SBS®	•			•	•
SBX®	•			•	•
EBC (DIN)	• (4)			•	•
POWER CLIP®		•		•	•
POWER DRAWER®		•		•	•
POWERMOD®			•	•	•
POWERMOD®HP A & B	•	•	•	•	•
POWERMOD® PSX		•		•	•
MARC		•		•	•
SAF-D-GRID™	•	•	•	•	•
SPEC PAK™	•		• (1)	•	•

SERIES	Auxiliary Contacts	PCB	Housing Styles		Number of Poles	
			Wire	Bus Bar	Power Signal	Aux
Powerpole®	•	•	•	•	1	4
SB®		•	•	•	3	
SBE®	•		•	•	2	4
SBO®	•		•	•	2	4
SBS®	•	• (2)	•	•	2	4
SBX®	•		•	•	2	4
EBC (DIN)	•		•	•	2	4
POWER CLIP®				•	1 or 2	
POWER DRAWER®		•	•	•	8 to 13	21 or 24
POWERMOD®		•	•	•	3 to 30	3 to 30
POWERMOD®HP A & B			•	•	1 or 2	
POWERMOD® PSX		•	•	•	2 to 8	24 or 80
MARC			•	•	8	
SAF-D-GRID™			•	•	3	
SPEC PAK™	•		•	•	9	up to 24

**NOTES**  
 (1) Solar SPEC Pak latch complies with NEC 2008 (requires a tool to release)  
 (2) SBS75X Series only  
 (3) When used with Powerpole Pak accessories  
 (4) Femal side only  
 • = Yes this is available

Our philosophy is to provide high quality innovative products, exceptional technical support and superior customer service to our customers around the world. Our products, on-time deliveries, excellent technical and customer service support, is a result of modern manufacturing techniques, rigorous quality control measures and our commitment to respond to the demands of our customers quickly and efficiently regardless of where they are located.

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**HEADQUARTERS**  
 Anderson Power Products®  
 13 Pratts Junction Road  
 Sterling, MA 01564-2305 USA  
 T: 978-422-3600  
 F: 978-422-3700



**EUROPE**  
 Anderson Power Products® Ltd.  
 Unit 3 Europa Court  
 Europa Boulevard  
 Westbrook, Warrington  
 Cheshire, WA5 7TN United Kingdom  
 T: +44 (0) 1925 428390  
 F: +44 (0) 1925 520203



**ASIA / PACIFIC**  
 IDEAL Anderson Asia Pacific Ltd.  
 Unit 922-928, Topsail Plaza  
 11 On Sum Street  
 Shatin N.T., Hong Kong  
 T: +(852) 2636 0836  
 F: +(852) 2635 9036



**CHINA**  
 IDEAL Anderson Technologies (Shenzhen) Ltd.  
 Block A8, Tantou Western Industrial Park  
 Songgang, Baoan District  
 Shenzhen, PR. China 518105  
 T: +(86) 755 2768 2118/3393 2388  
 F: +(86) 755 2768 2218



**TAIWAN**  
 IDEAL Anderson Asia Pacific Ltd.  
 Taiwan Branch, 4F.-2, No.116  
 Dadun 20th St., Situn District  
 Taichung City 407, Taiwan (R.O.C.)  
 T: +(886) 4 2310 6451  
 F: +(886) 4 2310 6460



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# Power Connector Solutions

10 amps up to 700 amps



Pin & Socket | Auxiliary Contacts | Hot Plug | Bus Bar | PCB | Touch Safe  
 Latching | Power & Signal | Blindmate



# Highlighting The Industry's Best

SPECIFICATIONS	Powerpole®	SB®	SBS®50	SBS®75X	SBE®
Current Rating (Amperes) - Power Contacts (UL) (1) - Auxiliary Contacts (UL) (1)	10 to 310	50 to 350	50 to 100	50 to 105	80 to 700
Voltage Rating (AC/DC)	250 to 600	600	600	600	150
Contact Barrel Wire Size (AWG) - Power Contacts - Auxiliary/Signal Contacts  (mm²) - Power Contacts - Auxiliary/Signal Contacts	20 to 3/0 24 to 20  0.75 to 70 0.5	16 to 300 mcm   1.5 to 150	16 to 6   1.5 to 10	12 to 6 24 to 12  4.0 to 10 0.5 to 2.5	6 to 300 mcm 20 to 12  16 to 150 0.75 to 2.5
Dielectric Withstanding Voltage (AC)	1,600 to 2,200	2,200	2,200	2,200	2,200
Mating Cycles - Power - Signal	1,500 to 10,000 (4)	10,000	10,000	10,000	10,000
Connect/Disconnect Force (lbf) (N)	3 to 20 13 to 89	15 to 35 67 to 156	8 36	16 71	15 to 30 67 to 133
Operating Temperature (°C) (2)  (°F)	-20° to 105° -40° to 120° (CR) (6) -4° to 221° -40° to 248° (CR) (6)	-20° to 105° -40° to 120° (CR) (6) -4° to 221° -40° to 248° (CR) (6)	-20° to 105° -40° to 120° (CR) (6) -4° to 221° -40° to 248° (CR) (6)	-20° to 105° -40° to 120° (CR) (6) -4° to 221° -40° to 248° (CR) (6)	-20° to 105° -4° to 221° -40° to 266°
Flammability Rating of Housing Material	UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0

## NOTES

- (1) UL rated for 65°C with largest wire or cable size
- (2) Contact factory for higher temperature rated connectors
- (3) Ratings using nickel plated tab
- (4) 10,000 based on using silver plated contacts
- (5) E Series is not UL rated
- (6) On CR (Chemical Resistant) versions where available

See individual data sheets for complete specifications.



SBX®	EBC (DIN) A & E Series	Power Clip®	Power Drawer®	PowerMod®	PowerMod®HP A & B Series	
					Single Pole	Dual Pole
175 to 350 10 to 30	80 to 320 nominal 55 to 350 maximum 20 (5)	300 (3)	25 to 75 per contact 5	30	220 (A) 450 (B)	210 (A) 400 (B)
600	150	600	600	600	600	600
1/0 to 300 mcm 24 to 12	8 to 4/0 18 to 10		30 to 8	24 to 12	6 to 2	1/0 to 4/0
70 to 150 0.5 to 2.5	10 to 95 1 to 4		0.5 to 6	0.5 to 2.5	16 to 25	70 to 95
2,200	2,200	2,200	2,200	2,200	2,200	2,200
10,000	5,000	500	500	1,000	500	500
25 to 30 111 to 133	12 (320A) 53	10 to 43 44 to 191	0.1 to 2 per contact 0.4 to 9 per contact	0.5 to 0.7 per contact 2.2 to 3 per contact	3 to 17 13 to 76	6 to 33 27 to 147
-20° to 105° -4° to 221°	-25° to 90° (A) -25° to 105° (E) -13° to 194° (A) -13° to 221° (E)	-40° to 105° -40° to 221°	-40° to 125° -40° to 257°	-55° to 180° -67° to 356°	-40° to 130° -40° to 266°	-40° to 130° -40° to 266°
UL94 V-0	UL94 V-0 (A) UL94 HB (E)	UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0



MARC	PowerMod®PSX	Saf-D-Grid™	SPEC Pak™	
			4 & 6 Position	Extreme
29	60 1	20	15 to 45	150 to 360
600	600	600 UL / 400 IEC	600	600
20 to 10		16 to 12	20 to 10 24 to 20	24 to 3/0 24 to 20
0.75 to 4		1.5 to 2.5	0.75 to 4 0.5	0.5 to 70 0.5
2,200	2,200	3,300	3,000	2,200
1,500 to 10,000 (4)	200	5,000	1,500 1,500	1,500
18 80	1.8 8	20 89	18 80	20 to 40
-40° to 125° -40° to 257°	-55° to 105° -67° to 221°	-20° to 80°	-40° to 105° -40° to 221°	-20° to 105° -4° to 221°
UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0



Product Spotlight