Connector Features

SERIES	Touch Safe	Blindmate	Latching	Flame Resistance	Hot Plug
Powerpole®	•	• (2)	• (2)	•	•
SB®				•	•
SBE® / SBX® / SBO®	•			•	•
SBS®	•			•	•
EBC (DIN)	• (3)			•	
POWER CLIP®		•		•	•
POWER DRAWER®		•		•	
POWERMOD®			•	•	
POWERMOD®HP A & B	• (3)	•	•	•	•
POWERMOD® PSX		•		•	
MARC		•		•	•
SAF-D-GRID®	•	•	•	•	•
SPEC PAK®	•		• (1)	•	•

SERIES	Auxiliary Contacts	Housing Styles			Number of Poles	
		PCB	Wire	Busbar	Power	Aux
Powerpole®		•	•	•	1+	
SB®		•	•	•	2 - 3	
SBE® / SBX® / SBO®	•		•		2	8
SBS®	•	•	•		2 - 3	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®	•		•		up to 9	up to 24

NOTES
(1) Solar SPEC Pak latch complies with NEC 2008 (requires a tool to release)
(2) When used with Powerpole Pak accessories
(3) Female 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.

The APP Website, www.andersonpower.com, is a valuable resource and provides immediate access to information such as Sales and Distribution Contact Information, Product Specifications, Drawings, Assembly and Crimping Instructions and much more. As a Global Company dedicated to Best Environmental Practices, we meet the RoHS Directive for virtually all of our products.

We look forward to supporting our customers by continuing our tradition of design excellence and outstanding customer support.

HEADQUARTERS
Anderson Power Products®
13 Pratts Junction Road
Sterling, MA 01564-2305 USA
T: 978-422-3600
F: 978-422-0128

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

VISIT US AT WWW.ANDERSONPOWER.COM

15316 LIT-PCS REV 05

Power Connector Solutions

AMPERES | 10A UP TO 700A

Environmentally Sealed | Auxiliary Contacts | Hot Plug | Wire, PCB & Busbar
Latching | Power, Signal & Ground | Blindmate | Touch Safe

Anderson Power Products®

Your Best Connection

AC/DC Power Management · TELECOMMUNICATIONS · UPS Systems · Alternate Energy · Medical · Electric Vehicles · Material Handling

SPECIFICATIONS	Powerpole®	SB®	SBS®	SBE®, SBX®, SBO®
Current Rating (Amperes) - Power Contacts (UL) (1) - Auxiliary Contacts (UL) (1)	up to 350	up to 450	up to 110 up to 20	up to 350 up to 30
Voltage Rating (AC/DC)	up to 600	600	600	up to 600
Contact Barrel Wire Size (AWG) - Power Contacts - Auxiliary/Signal Contacts (mm²) - Power Contacts - Auxiliary/Signal Contacts	20 to 3/0 24 to 20 0.05 to 85 0.5	16 to 300 mcm 1.5 to 150	12 to 6 24 to 12 4.0 to 10 0.5 to 2.5	6 to 300 mcm 24 to 10 16 to 150 0.25 to 5.3
Dielectric Withstanding Voltage (AC)	1,600 to 2,200	2,200	2,200	2,200
Mating Cycles - Power - Signal	1,500 to 10,000 (4)	10,000	10,000	10,000 5,000 - 10,000
Connect/Disconnect Force (lbf) (N)	2 to 10 9 to 44	8 to 30 36 to 133	8 to 16 36 to 70	16 to 55 70 to 245
Operating Temperature (°C) (2) (°F)	-20° to 105° -40° to 105° (CR) (6) -4° to 221° -40° to 221° (CR) (6)	-20° to 105° -40° to 105° (CR) (6) -4° to 221° -40° to 221° (CR) (6)	-20° to 105° -40° to 105° (CR) (6) -4° to 221° -40° to 221° (CR) (6)	-20° to 105° -4° to 221°
Flammability Rating of Housing Material	UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0
Touch Safety	UL1977 Sec 10.2		IEC 60950	IEC 60950

NOTES
(1) UL rated for largest wire or cable size up to the maximum operating temperature
(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.

EBC (DIN) A & E Series	Power Clip®	Power Drawer®	PowerMod®	PowerMod®HP A & B Series Single Pole	PowerMod®HP A & B Series Dual Pole
180 to 320 nominal (E) 55 to 350 maximum (A) 20 (5)	300 (3)	25 to 75 per contact 5	30	220 (A) 450 (B)	210 (A) 400 (B)
150	600	600	600	600	600
8 to 4/0 18 to 10 10 to 95 1 to 4	30 to 8 0.5 to 6	24 to 12 0.5 to 2.5	6 to 2 16 to 25	1/0 to 4/0 70 to 95	
2,200	2,200	2,200	2,200	2,200	2,200
5,000	500	500	1,000	500	500
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
-25° to 75° (E) -25° to 105° (A) -13° to 167° (E) -13° to 221° (A)	-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 (A) UL94 HB (E)	UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0
IP20 Female				IP20 Female	

MARC	PowerMod®PSX	Saf-D-Grid®	SPEC Pak® Environmentally Sealed
29	60 1	20	15 to 310 1
600	600	600 UL / 400 IEC	600
20 to 10 0.75 to 4		18 to 10 0.75 to 4	20 to 3/0 24 to 20 0.75 to 85.0 0.5
2,200	2,200	3,300	3,000
1,500 to 10,000 (4)	200	5,000	1,500 1,500
18 80	1.8 8	20 89	12 to 37 53 to 165
-40° to 125° -40° to 257°	-55° to 105° -67° to 221°	-20° to 80° -4° to 176°	-40° to 105° -40° to 221°
UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0

The Industry's Best Highlighting