

AMPHENOL Renewable Energy Connectors Amphenol®



This product is RoHS compliant.



ePOWER CONNECTORS

- IP2X on pin and socket
- Environmental IP67 rating
- Two HVIL circuits
- 1000vdc rating
- Integrated EMI shielding
- Radsok Technology
- 11.1mm RADSOK® technology for 300 to 400A current capability
- Strain relief for jacketed cable incorporated into shell
- Excellent vibration resistance
- All aluminum shell
- Multiple wire size capability: from 50mm² to 95mm²

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Amps	No. of Pos.	Wire Size	Price Each	
						1	5
Plugs							
654-EP223511	EP223511	A	200A	2	35mm ²	161.02	140.53
654-EP233511	EP233511	A	200A	3	35mm ²	189.25	165.16
654-EP427011	EP427011	A	400A	2	70mm ²	203.67	177.75
654-EP437011	EP437011	A	400A	3	70mm ²	239.56	209.07
Receptacles							
654-ER22BB11	ER22BB11	A	200A	2	Busbar	201.44	175.80
654-ER23BB11	ER23BB11	A	200A	3	Busbar	236.96	206.80
654-ER42BB11	ER42BB11	A	400A	2	Busbar	251.79	219.75
654-ER43BB11	ER43BB11	A	400A	3	Busbar	295.60	257.98

HELIOS H4 SOLAR CONNECTOR

Features and Benefits:

- Meets all new NEC 2008 requirements
- NEC required locking mechanism built into the connector
- Quick and easy secure snap lock mating
- Simple unlocking tool meets NEC requirements
- Radsok Technology
- IP68 • IEC/CEI • DIN V
- Long-term UV and Ozone resistance
- Highest current rating in industry
- Low contact resistance means low power loss
- Ready for field assembly
- No assembly required, no small parts to lose

Amphenol's Helios solar products withstand:

- UV
- Ozone
- Hydrolysis
- Oil, chemicals
- Abrasion, corrosion
- Temperature extremes



MOUSER STOCK NO.	Amphenol Part No.	Fig.	Gender	Cable Size	Price Each			
					1	10	25	100
654-H4PC4DI	H4PC4DI	B	Mated	12 AWG/4mm ²	5.41	4.85	4.40	4.02
654-H4FC4DI	H4FC4DI	B	Female	12 AWG/4mm ²	3.99	3.57	3.25	2.98
654-H4MC4DI	H4MC4DI	B	Male	12 AWG/4mm ²	2.68	2.40	2.18	2.00
654-H4PC6DI	H4PC6DI	B	Mated	10 AWG/6mm ²	6.40	5.73	5.19	4.74
654-H4FC6DI	H4FC6DI	B	Female	10 AWG/6mm ²	4.34	3.88	3.54	3.24
654-H4MC6DI	H4MC6DI	B	Male	10 AWG/6mm ²	2.94	2.63	2.40	2.20
654-H4PC2DI	H4PC2DI	B	Mated	14 AWG/2.5mm ²	6.03	5.41	4.90	4.48
654-H4FC2DI	H4FC2DI	B	Female	14 AWG/2.5mm ²	3.72	3.33	3.02	2.76
654-H4MC2DI	H4MC2DI	B	Male	14 AWG/2.5mm ²	2.49	2.23	2.02	1.84

Bulkheads/Panel Mount

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Gender	Cable Size	Price Each			
					1	10	25	100
654-H4CPM4DI	H4CPM4DI	C	Mated	12 AWG/4mm ²	3.73	3.42	3.11	2.85
654-H4CFM4DI	H4CFM4DI	C	Female	12 AWG/4mm ²	3.99	3.57	3.25	2.98
654-H4CMM4DI	H4CMM4DI	C	Male	12 AWG/4mm ²	2.68	2.40	2.18	2.00
654-H4CPM6DI	H4CPM6DI	C	Mated	10 AWG/6mm ²	4.00	3.67	3.34	3.27
654-H4CFM6DI	H4CFM6DI	C	Female	10 AWG/6mm ²	4.34	3.88	3.54	3.24
654-H4CMM6DI	H4CMM6DI	C	Male	10 AWG/6mm ²	2.94	2.63	2.40	2.20
654-H4CPM2DI	H4CPM2DI	C	Mated	14 AWG/2.5mm ²	3.55	3.25	2.96	2.71
654-H4CFM2DI	H4CFM2DI	C	Female	14 AWG/2.5mm ²	2.70	2.47	2.25	2.06
654-H4CMM2DI	H4CMM2DI	C	Male	14 AWG/2.5mm ²	1.80	1.65	1.50	1.38

Tools

MOUSER STOCK NO.	Amphenol Part No.	Description	Price Each	
			1	5
654-PV-670509-000	PV-670509-000	H4 Strip Tool	99.77	87.50
654-PV-670804-000	H4TR0000	H4 Ring Tool	3.76	3.25
654-PV-670803-000	H4TW0000	H4 Wrench Tool	7.52	6.46

SURLOK™

Features:

- Copper alloy construction
- High ampacity
- Built in locking feature
- Low insertion force
- High cycle durability
- High reliability
- Radsok Technology

Markets:

- Printed circuit boards
- Telecommunications
- Oil and drilling rigs
- Wind and solar power applications
- Heavy equipment
- Medical devices
- Rail/Mass Transit



Compression Lugs

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Amp	RADSOK Size	Wire Size	Termination	Price Each			
							1	5	10	25
654-PSL-368K	PSL-368K	D	70	3.6mm	8AWG	Threaded Tail	11.98	10.45	9.58	8.85
654-PSL574K	PSL-574K	D	125	5.7mm	4AWG	Tapped Screw End	6.78	6.26	5.82	5.42
654-10-665611-000	10-665611-000	E	-	5.7mm	-	-	11.36	10.33	9.47	8.74
654-PSL-802K	PSL-802K	D	175	8.0mm	2AWG	Tapped Screw End	14.93	13.78	12.80	11.95
654-PSL-801K	PSL-801K	D	200	8.0mm	1AWG	Tapped Screw End	24.50	23.69	22.75	21.09
654-PSL-10320	PSL-10320	D	300	8.0mm	2AWG	Lug Only	19.31	16.85	15.45	14.26
654-PSL-10320K	PSL-10320K	D	300	10.3mm	2/0AWG	Tapped Screw End	22.52	19.65	18.02	16.63

Pins

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Amp	Pin Dia.	Thread (Male)	Price Each			
						1	5	10	25
654-PSLP-36	PSLP-36	-	70	3.6mm	M3x0.5	2.67	2.45	2.26	2.10
654-PSLP-57	PSLP-57	-	125	5.7mm	M5x0.8	2.95	2.73	2.53	2.36
654-PSLP-80	PSLP-80	-	200	8.0mm	M8x1.25	5.43	5.02	4.66	4.35
654-PSLP-103	PSLP-103	-	300	10.3mm	M10x1.5	7.52	6.99	6.52	6.19

