

Amphenol®



H4 PV Connector

Amphenol Industrial Solar Technologies (AIST) offers products and solutions for all segments of the solar electric system. AIST understands the need for efficient (low loss) power transfer, highly reliable, and cost effective solutions that are required to be competitive in this industry. We can provide panel manufacturers, installers, and OEM's with connectivity products for both thin film and crystalline silicon technologies. Amphenol has a broad range of technologies to help minimize the cost of inverters and power conditioners. Amphenol Industrial can help you power the planet with the sun. The H4 PV Connector is just one product of the many solar interconnect solutions AIST has to offer. For more information, please visit our website: solar.amphenol-industrial.com

Features:

- UL 1500V, TÜV 1500V Class B, and CSA approved
- Meets all 2008/2011 NEC handbook requirements
- Quick and easy secure snap lock mating, per 2014 NEC handbook, paragraph 690.33(C)
- Simple unlocking tool meets NEC requirements
- Long-term UV and Ozone resistance
- Highest current rating in industry
- RoHS compliant
- Complete Cable Assemblies available
- Low contact resistance means low loss
- Ready for field assembly

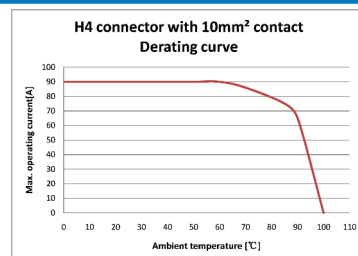
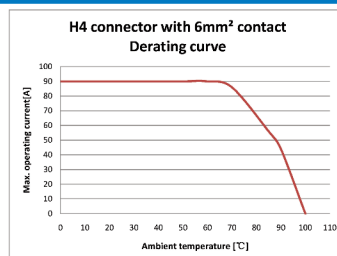
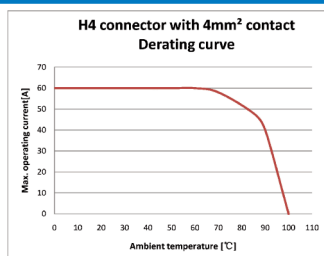
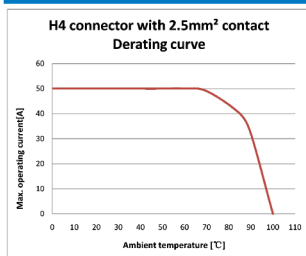
H4 PV Connector



Technical Data

Rated Voltages & Currents	UL	1500V	15A (2.5mm ² / 14AWG), 20A (4.0mm ² / 12AWG), 30A (6.0mm ² / 10AWG)	1000V	50A (10.0mm ² / 8AWG)
	TÜV	1500V (IEC Class B)	31A (2.5mm ² / 14AWG), 42A (4.0mm ² / 12AWG), 53A (6.0mm ² / 10AWG)	1000V	65A (10.0mm ² / 8AWG)
Test Voltage	6kV for 1 minute, 10kV impulse (1.2/50µs)(IEC)				
Typical contact resistance	0.25m Ω				
Contact material	Tin-plated Copper				
Contact system options	Machined/Cold-formed (CF) OR Stamped & Formed (S&F), both with Amphenol's RADSOK® Insert				
Cable OD ranges	4.5 – 7.8mm for Sizes 2.5mm ² / 14AWG to 6.0mm ² / 10AWG, 7.6 – 9.3mm for Size 10.0mm ² / 8AWG (Enlarge H4)				
Locking mechanism	Meets 2014 NEC handbook 690.33(C) requirement for self-locking with tool-required unlock				
Cable strain relief	Compression gland featuring a torque-limiting, ratcheting gland nut (when used with tool H4TW0001, below)				
Ingress Protection Rating	IP68, mated (1 meter, 1 hour)				
Ambient temperature range	-40°C to +85°C				
Flammability Classification	UL 94 V-0				

De-rating curves



How to Order (where applicable, choose one code per person)

1	2	3		4		5		6		7		8					
Product Line	Product Type	Gender		Connector Type		Cable Size		Certifications		Packaging		Contact Type					
H4	C (Connector)	F	Female (+)	C	Cable Gland Type	0	Less Contacts	D	Dual TÜV & UL	I	1	Leave Blank	CF Contact				
						2	2.5mm²/ 14 WG				pc/bag						
						M	Male (-)			E	Enlarged for 10mm² / 8AWG			4	4.0mm²/ 12AW	C	100
														6	6.0mm²/ 10AWG		pcs/bags
		M	Male (-)	E	Enlarged for 10mm² / 8AWG	8	10.0mm²/ 8AWG			M	500	S*	S & F Contact				
											pcs/bags						

*When ordering a S&F contact, please use cable size order code "4" for both 4.0mm²/ 12AWG & 6.0mm²/ 10AWG

Tool and Accessory Order Codes

H4 Tool-Kit	H4TK0000
H4 Sealing Cap (for female)	H4PF
H4 Sealing Cap (for male)	H4PM
H4 Universal Unlocking Tool	H4TU0000
H4 Crimp Tool (Machined Contact)	H4TC0001
H4 Crimp Tool (S&F contact)	H4TC0002
H4 Wrench Tool	H4TW0001
H4 Strip Tool	H4TS0000



H4 Tool-Kit



H4 Sealing Cap Female



H4 Sealing Cap Female



H4 Universal Unlocking Tool



H4 Crimp Tool



H4 Wrench Tool



H4 Strip Tool

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.