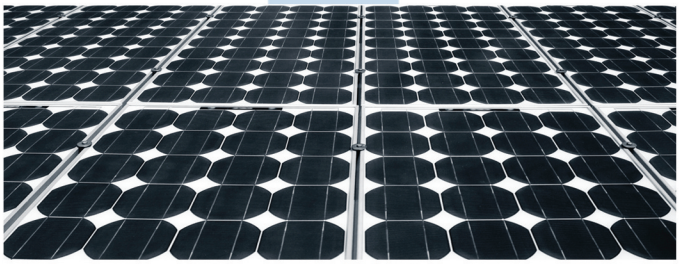
Amphenol®





Helios H4

Industrial Operations (AIO) offers products and solutions for all segments of the solar electric system. AIO 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 Helios H4 connector is just one of the solar connector solutions Amphenol® Industrial has to offer.

H4 Features:

- UL, TÜV, and CSA approved
- Fully intermateable with industry standard
- Meets all new NEC 2008 requirements
- Quick and easy secure snap lock mating
- 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

Helios H4

Amphenol solar connector

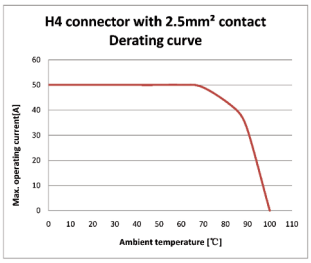


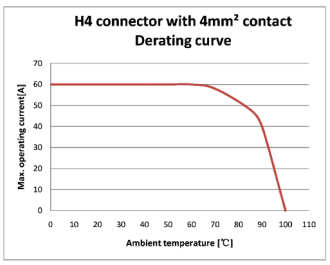
Technical Data

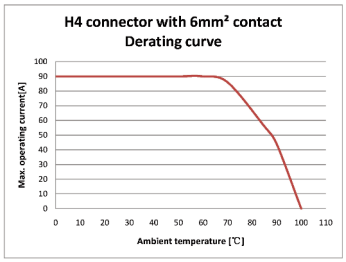
Rated current	32A(2.5mm, AWG14), 40A(4.0mm, AWG12), 44A(6.0mm, AWG10), 65A(10.0mm, AWG8)
Rated voltage	1000V (IEC/CEI), 600V(UL)
Test voltage	6kV for 1 minute, 10kV impulse (1.2/50μS)(IEC)
Typical contact resistance	0.25m Ω
Contact material	Copper, tin plated
Contact system	Machined/cold formed contact with RADSOK® insert
Insulation material	PC
Locking mechanism	Snap-lock, special unlock tool required to un-mate as required by NEC2008
Cable strain relief	Compression gland with ratcheting gland nut
Degree of protection	IP68 (1 meter, 1 hour) mated
Safety class	II (IEC61140)
Pollution degree	2 (IEC60664)
Overvoltage category	III (IEC60664)
Flame class	UL94-V0
Ambient temperature range	-40°C --- +90°C

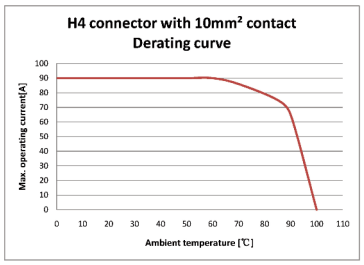
250535 R 50157783 E 339277

Derating curves









How to order

1		2		3		4		5		6		7		8	
H4		C		F		C		2		D		I		S	
Product line		Product type		Gender		Connector type		Cable size		Approvals		Packaging		Variations	
H4	Helios H4	C	Connector	F	Female +	C	Cable Gland	1	1.5-2.5mm²/ 14 AWG	T	TÜV	I	Single	S	S & F contact (Single contact)
				M	Male -			2	2.5mm²/ 14 AWG	U	UL	C	100 pcs Bag	T	Screw Termination (Field Installation)
				P	Mated pair			4	4.0mm²/ 12 AWG	D	Dual	M	500 pcs Bag		
								5	4.0-6.0mm²/ 10-12 AWG						
								6	6.0mm²/ 10 AWG						
								8	10.0mm²/ 8 AWG						
								0	Less Contacts						

How to order assembly tools

Description	Ordering code
H4 Strip Tool	H4TS0000
H4 Crimp Tool	H4TC0001
H4 Wrench Tool	H4TW0001
H4 Universal Unlocking Tool	H4TU0000
H4 Tool-Kit	H4TK0000



Tool-Kit



Universal Unlocking Tool



Crimp Tool



Wrench Tool



Strip Tool for 2,5SQMM-6SQMM (AWG10-AWG14)

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.

For further information on your individual application requirements, contact: Amphenol Corporation

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