

# Helios H4

## Amphenol solar connector

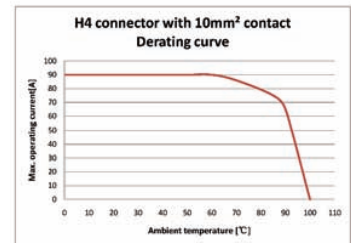
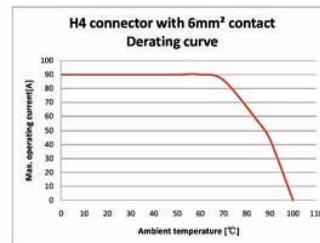
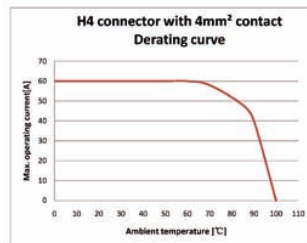
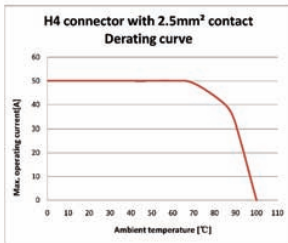


### Technical Data

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



### 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 solar line	C	Connector	F	Female + (standard)	C	cable gland	2	2.5mm² /AWG14	T	TÜV	I	Single	S	S & F contact (Single contact)
		P	Protective cap	M	Male - (standard)			4	4.0mm² /AWG12	U	UL	C	Bulkpack, 100 purchase	T	Screw Termination contact
				P	mated pair			6	6.0mm² /AWG10	D	dual	D	Bulk pack, 500 purchase		
								8	10.0mm² /AWG8			M	Bulk pack, 1000 purchase.		
								0	less contact			N	Bulk pack, 2000 purchase (default package)		

### How to order assembly tools

Description	Ordering code
H4 Strip Tool	H4TS0000
H4 Crimp Tool	H4TC0000
H4 Wrench Tool	H4TW0000
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)

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