

# Helios H4

Amphenol solar connector



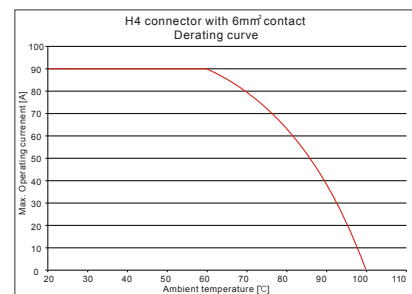
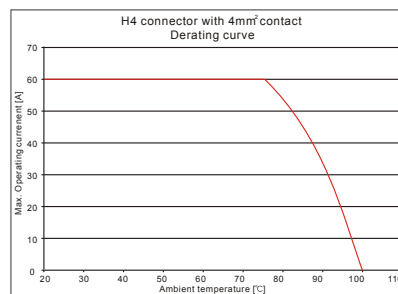
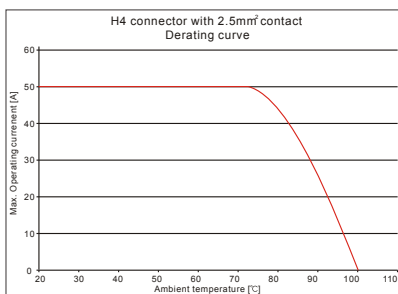
RADSOK® Contact

## Technical Data

Rated current	36A(2.5mm <sup>2</sup> ,AWG14),45A(4.0mm <sup>2</sup> ,AWG12),52A(6.0mm <sup>2</sup> ,AWG10)
Rated voltage	1000V (IEC/CEI), 600V(UL)
Test voltage	6kV for 1 minute, 10kV impulse (1.2/50µS)(IEC)
Typical contact resistance	0.25mΩ
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	
H	4	C	F	C	2	D	I	
Product line	Product type	Product	Gender	Cable entry	Cable size	Approval	Package	Variation
Helios solar line	H4 solar connector	C Connector	F Female + (standard)	C cable gland	2 2.5 mm <sup>2</sup> /AWG14	T TUV approved	I Single	
		P Protective cap	M Male - (standard)	M bulkhead M12	4 4 mm <sup>2</sup> /AWG12	U UL approved	C Bulkpack, 100 purchase	
		Y Branch connector	P mated pair	N bulkhead M14	6 6 mm <sup>2</sup> /AWG10	D dual approval	D Bulk pack, 500 purchase.	
			G female -	O over-mold			M Bulk pack, 1000 purchase.	
			N male +				N Bulk pack, 2000 purchase. (default package)	

### Tooling part numbers

Crimp tool for 2,5SQMM-6SQMM (AWG10-AWG14)  
PV-670508-000



Wrench/disconnect/assembly tool  
PV-670803-000



Strip tool for 2,5SQMM-6SQMM (AWG10-AWG14)  
PV-670509-000



Unlocking ring tool  
PV-670804-000



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