



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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 out of many solar interconnect solutions AIST has to offer.

H4 Features:

- UL 1000V, TÜV 1500V, and CSA approved
- Fully intermateable with industry standard
- Meets all new NEC 2008/2011 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

www.amphenol-industrial.com



H4 PV Connector

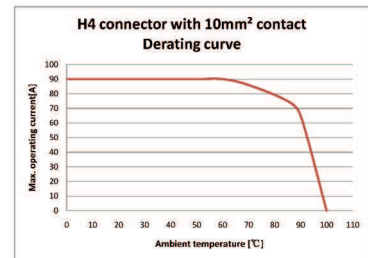
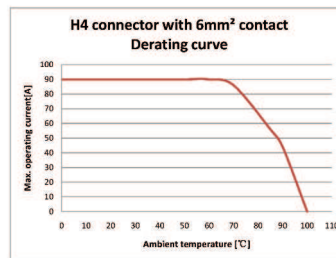
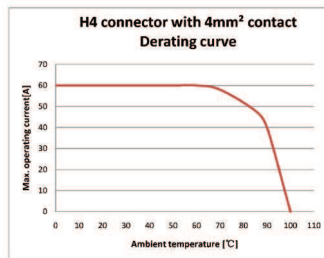
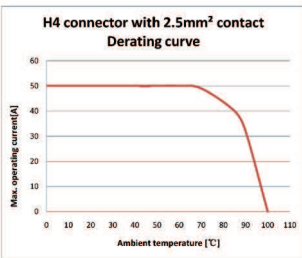


Technical Data

| | |
|----------------------------|--|
| Rated current | 32A(2.5mm, AWG14), 40A(4.0mm, AWG12), 44A(6.0mm, AWG10), 65A(10.0mm, AWG8) |
| Rated voltage | 1500V (IEC/TÜV), 1000V(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 or Stamped & Formed 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 to +85°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 | H4 | C | Connector | F | Female + | C | Cable Gland | 1 | 1.5-2.5mm²/ 16-14 AWG (S & F Contact) | T | TÜV | I | Single | Leave Blank for Machined Contact |
| | | | | M | Male - | | | 2 | 2.5mm²/ 14 AWG (Machined Contact) | U | UL | C | 100 pcs Bag | S S & F contact (Single contact) |
| | | | | P | Mated pair | | | 4 | 4.0mm²/ 12 AWG (Machined Contact) | D | Dual | M | 500 pcs Bag | |
| | | | | | | | | 4 | 4.0-6.0mm²/ 12-10 AWG (S & F Contact) | | | | | |
| | | | | | | | | 6 | 6.0mm²/ 10 AWG (Machined Contact) | | | | | |
| | | | | | | | | 8 | 10.0mm²/ 8 AWG | | | | | |
| | | | | | | | | 0 | Less Contacts | | | | | |

How to order accessories

| Description | Ordering code |
|----------------------------------|---------------|
| H4 Sealing Cap Female | H4PF |
| H4 Sealing Cap Male | H4PM |
| H4 Strip Tool | H4TS0000 |
| H4 Crimp Tool (machined contact) | H4TC0001 |
| H4 Crimp Tool (S & F contact) | H4TC0002 |
| H4 Wrench Tool | H4TW0001 |
| H4 Universal Unlocking Tool | H4TU0000 |
| H4 Tool-Kit | H4TK0000 |



H4 Tool-Kit



H4 Sealing Cap Female



H4 Sealing Cap Female



H4 Universal Unlocking Tool



H4 Crimp Tool



H4 Wrench Tool



H4 Strip Tool

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