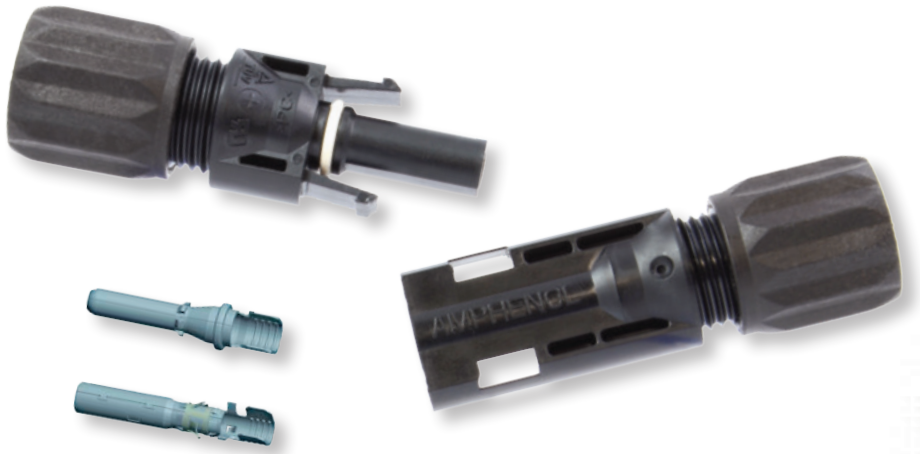
AMPHENOL

H4 PV connector



H4 stamped and formed contact

High Quality PV connectors

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

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Amphenol® Industrial

AMPHENOL
H4 PV connector

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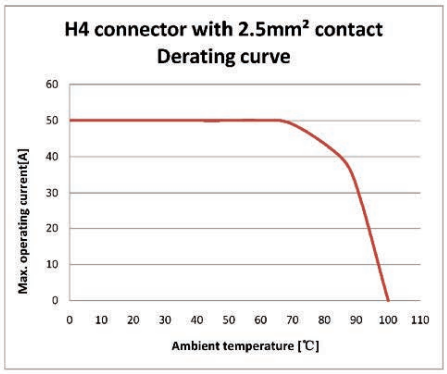
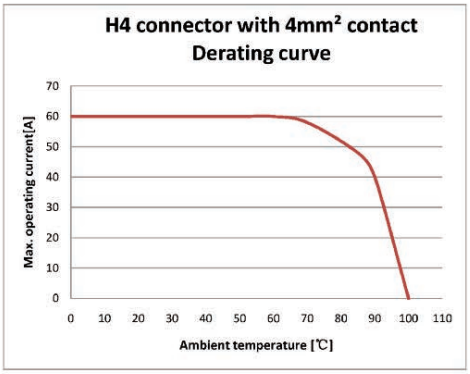
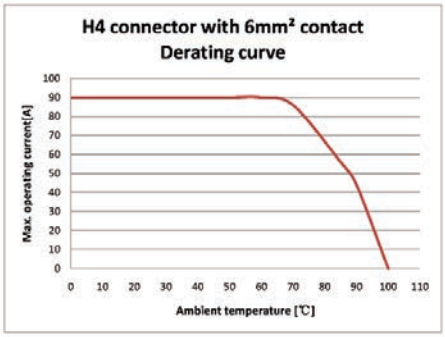
TECHNICAL DATA

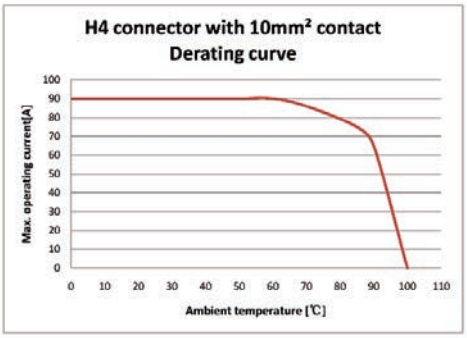
Rated current	32A(2.5mm, AWG14), 40A(4.0mm, AWG12), 44A(6.0mm, AWG10), 65A(10.0mm, AWG8)
Rated voltage	1500V (IEC/TÜV), 1000V(UL)
Test voltage	6kV for 1 minute, 10kV impulse (1.2/50μS)(IEC)
Typical contact resistance	0.25m Ω
Contact material	Copper, tin plated
Contact system	Machined/Cold Formed or Stamped & 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









About Amphenol

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.

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LIBRA ENERGY B.V. • HEEMSTEDERWEG 14 • 1902 RP CASTRICUM • PO BOX 358 • 1900 AJ CASTRICUM • THE NETHERLANDS
T. +31 (0) 251 656 277 • F. +31 (0) 251 679 443 • INFO@LIBRA-ENERGY.EU • WWW.LIBRA-ENERGY.EU
LIBRA ENERGY UK LTD • COULMAN ROAD INDUSTRIAL ESTATE • UNIT 8A COULMAN ROAD • THORNE • DONCASTER • DN8 5JU • UNITED KINGDOM
T. +44 (0) 1405 240 010 • F. +44 (0) 1405 240 011 • INFO@LIBRA-ENERGY.CO.UK • WWW.LIBRA-ENERGY.CO.UK

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