

Connector 连接器		
Product Pictures 产品图片		
	H4/H4 PLUS/H4 PRO/MC4/EVO2	H4/H4 PLUS/H4 PRO/MC4
Junction Box 接线盒		
Rated Voltage 额定电压	1500VDC (UL&TUV)	1000VDC (UL/IEC62790)
Rated Current 额定电流	20A/25A/30A/35A	Up to 20A(without Diode), 4A(with Diode)
Sealing Type 密封类型	Potting 灌胶	Potting 灌胶
Option of Diode Type 二极管型号	MK3045/MK4045/MK5045/MK8045	BY880-1000
Ribbon Range 汇流带范围	< 7mm	< 7mm
Ribbon Pitch 汇流带距离	12.1mm	15.8mm
Box Size (L x W x T) 接线盒尺寸	63.5*28*14.5mm	66.4*62.6*12.2
Temperature Range 温度范围	-40°C to +85°C	-40°C to +85°C
Safety Class 安全等级	Class/II	Class/II
Connection Method 连接方式	Soldering 焊接	Soldering 焊接
Insulation Material 绝缘材料	PPE	PA
Contact Material 接触材料	Copper Tin Plating 铜镀锡	Copper Tin Plating 铜镀锡
Degree of protection 防护等级	IP68(1m,1H Mated) IP68(1米,1小时,对插后)	IP68(1m,1H Mated) IP68(1米,1小时,对插后)
IEC Certified No. IEC 认证号	B1072010007	40055475
UL Certified No. UL 认证号	E346053	E346053
PV Wire 线缆		
IEC/UL Certified IEC认证	Y	Y
Conductor Size 导体尺寸	4mm²/12AWG	2.5mm²/14AWG, 4mm²/12AWG
Cable Length 线缆长度	Up to customer needs(mm) 根据客户需求	Up to customer needs(mm) 根据客户需求
Rated Voltage 额定电压	1000V/2000V	1000V/2000V
Diode 二极管		
Average Rectified Output Current 平均整流电流	30A/40A/50A/80A	8A
Junction Temperature 结温	-55 ~+200°C	-50 ~+175°C
Peak Reverse Voltage 反向峰值电压	45V(VRRM)	1000V(VRRM)

About us

2004 年

The company was established in September 2004
公司成立于2004年9月

10000 m²

Covering an area of approximately 10000 square meters
占地面积约10000平方米

500 名

More than 500 employees
员工500余人

ISO9001
IATF16949

ISO9001 and IATF16949 Quality System Certification
ISO9001和IATF16949 质量体系认证

Amphenol Technology (Shenzhen) Co., Ltd. was established in September 2004, located in the second industry area of Xiashijia, Gongming District, Shenzhen City. Covering an area of 10,000m², with more than 500 employees

Plant equipped with stamping, injection molding, assembly workshops. The company is focused on providing highly reliable connectivity system solutions for extremely harsh environments. The main products are solar connectors, junction boxes, power and signal rectangular connectors, PDU's and cable harness etc. It is the leading supplier of related products and solutions in the industry.

The company's sales and service network is spread all over the world, with localized production plants, marketing network and technical support personnel in Asia, India, North America, Europe and other places to achieve rapid response and service to global customers.

With industry leading engineering, design and manufacturing expertise, Amphenol Technology (Shenzhen) Co., has earned invention patents and utility model patents. Many of the products have been certified by independent standards including UL,IEC/TUV,CE etc. Plant has advanced manufacturing capacity and management level, has obtained ISO9001 and IATF16949 quality system certification.

安费诺科技（深圳）有限公司成立于2004年9月，坐落于深圳市光明区公明下石家第二业区，占地面积约10000平方米，员工500余人。

工厂主设冲压、注塑、装配车间。公司专注于为极端恶劣环境下提供高可靠性的连接系统解决方案。主要产品有太阳能光伏连接器、光伏接线盒、各类电源 & 信号类矩形连接器、PDU、接线排以及各种线缆电缆组件等，是业内相关产品以及解决方案的主要供应商。

公司销售和服务网络遍布全球，在亚洲、印度、北美、欧洲等地都拥有本地化生产工厂、营销网络及技术支持人员，以达到快速响应和服务全球客户。

公司有着强大的设计研发能力，拥有多项发明专利和实用新型专利，许多产品已通过独立标准的认证，包括UL、IEC/TUV、CE等。工厂拥有先进的生产制造能力和管理水平，已获得ISO9001和IATF16949 质量体系认证。

Manufacturing centers :

China :

Amphenol Technology (Shenzhen) Co.,Ltd.
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Tel: +86-755-29918389
Email: tech@amphenol-industrial.com

Hungary:

Amphenol Sincere Industrial Product Kft.
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Hungary

India :

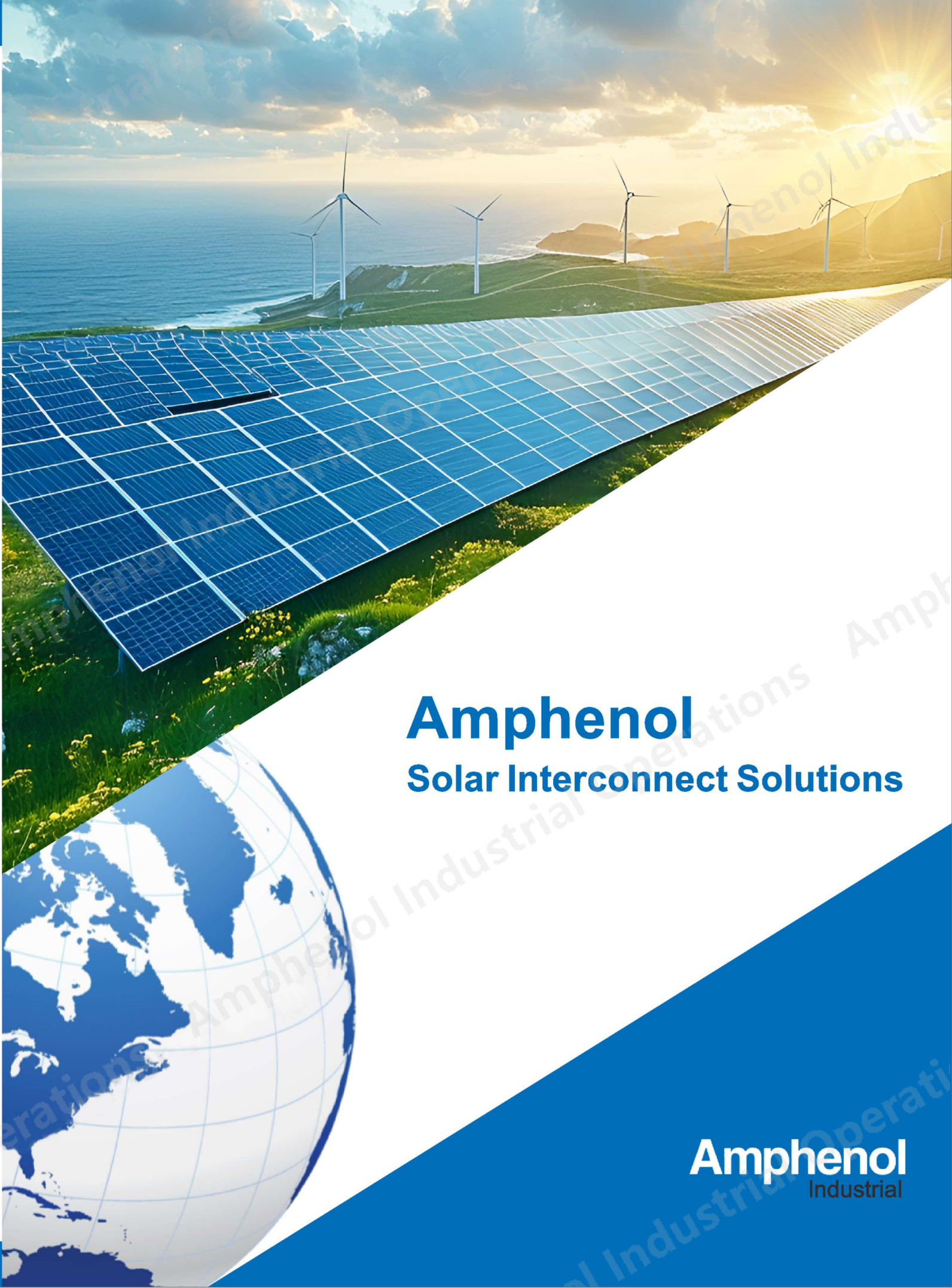
Amphenol Industrial Products (India) Pvt . Ltd
Plot No: A44, S No: 16pt and 18pt,
Sipcot's Industrial Park,
Oragadam,
Sriperumbudur Taluk,
Tamil Nadu.

North America:

Amphenol Industrial Operations
20 Valley Street,
Endicott NY 13760, USA

Amphenol Industrial Operations MX
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Amphenol Industrial Operations Mesa
1907 S. Hobson Ste 109, Mesa, AZ 85204, USA



Amphenol
Solar Interconnect Solutions

Amphenol
Industrial

TECHNICAL DATA		H4™	H4-B™	H4 PLUS™	H4 PRO™	H4 MAX™	RADCRIMP®	
Product Pictures 产品图片								
Rated Voltage 额定电压	UL	UL6703 1500VDC	UL1977 1000V DC, 1100VDC	UL6703 1500VDC	UL6703 1500VDC	UL6703 1500VDC	UL6703 1500VDC	
	TUV	IEC62852:2014+A1@85°C (ClassA)1000VDC	IEC62852:2014+A1@85°C (ClassA)1000VDC	IEC62852:2014+A1@85°C (ClassA)1500VDC	IEC62852:2014+A1@85°C (ClassA)1500VDC	TUV SUD:PPP 58211A:2022),2000VDC IEC62852:2014+A1@85°C (ClassA) 1500VDC	IEC62852:2014+A1@85°C (ClassA)1500VDC	
Rated Current 额定电流	UL	15A/14AWG,35A/12AWG,35A/10AWG	25A/2.5mm²,35A/4.0mm²,45A/6.0mm²,55A/10mm²	15A/14AWG,35A/12AWG,35A/10AWG,50A/8AWG	15A/14AWG,35A/12AWG,35A/10AWG	30A/14AWG, 39A/12AWG, 50A/10AWG, 70A/8AWG	20A/4.0mm²/12AWG, 30A(6.0mm²/10AWG) 50A(10.0mm² / 8AWG) , 65A(16mm² / 6AWG)	
	TUV	25A/2.5mm²,41A/4.0mm²,45A/6.0mm²	25A/2.5mm²,35A/4.0mm²,45A/6.0mm²,55A/10mm²	25A/2.5mm²,41A/4.0mm²,45A/6.0mm²,65A/10.0mm²	25A/2.5mm²,41A/4.0mm²,45A/6.0mm²	39A(2.5mm²/14AWG), 45A(4.0mm²/12AWG), 53A(6.0mm²/10AWG, 69A(10.0mm²/8AWG)	20A/4.0mm²/12AWG, 30A(6.0mm²/10AWG) 50A(10.0mm² / 8AWG) , 65A(16mm² / 6AWG)	
Typical Contact Resistance 接触电阻		≤0.30mΩ(Stamped&formed contact) ≤0.25mΩ(Cold formed contact)		≤0.25mΩ(Stamped&formed contact) ≤0.20mΩ(Cold formed contact)		≤0.30mΩ(Stamped&formed contact) ≤0.20mΩ(Cold formed contact)		\
Rated Impulse Voltage 额定脉冲电压		12KV (1000V per TUV)		16KV (1500V per TUV)		20KV(2000V per TUV)		16KV (1500V per TUV)
Ambient Temperature Range 环境温度		-40°C to +85°C		-40°C to +85°C		-40°C to +85°C		-40°C to +85°C
Upper Limiting Temperature 上限温度		+115°C		+115°C		+115°C		+115°C
Ingress Protation Rating 防护等级		IP65/IP68, Mated(1m,1h)& IP2X touch-proof,unmated		IP65/IP68, Mated(1m,24h)& IP2X touch-proof,unmated		IP65/IP68, Mated(1m,1h)& IP2X touch-proof,unmated		IP65/IP68, Mated(1m,24h)
Type of Termination 连接类型		Crimp		Crimp		Crimp		Spiral rapid
Flame Class 阻燃等级		UL94V-0		UL94V-0		UL94V-0		UL94V-0
Overvoltage Category/Pollution Degree 过电压类别/污染等级		CAT III/2		CAT III/2		CAT III/2		CAT III/2
UV resistance (防紫外线)		Outdoor suitable(fi) rated materials, per UL746C		Outdoor suitable(fi) rated materials, per UL746C		Outdoor suitable(fi) rated materials, per UL746C		Outdoor suitable(fi) rated materials, per UL746C
Insulation Material 绝缘体材料		PC/PA		PC/PA		PC/PA		PC/PA
Contact Material 端子材料		Tin-plated Copper Alloy		Tin-plated Copper Alloy		Tin-plated Copper Alloy		Tin Over Nickel Plated Copper Alloy
Cable OD Range 线缆外径范围		Ø 4.5~7.8mm		Ø 5.0~8.8mm		Ø 4.5~7.8mm		Ø 6.0mm ~ 7.4mm (12 / 10AWG) Ø 8.0mm ~ 9.3mm (8 / 6AWG)
Material Safety 材料安全		RoHS, REACH Compliant		RoHS, REACH Compliant		RoHS, REACH Compliant		RoHS, REACH Compliant