Amphenol Industrial





H4 PRO PV CONNECTORS

Features:

- Internationally certified with IEC, UL, Approved for DC 1500 V (IEC62852:2014+A1), DC 1500 V (UL6703) unrestricted access.
- ≤0.30mΩ low resistance high quality contact ensures consistently low performance loss throughout the entire service life .
- Mating compatibility with H4 connector family.
- Available as a field and preassembled connector, standard crimping tools can be used.
- NEC code compliant (no locking sleeve required; UL certification only)
- Cable OD range from Ø4.5mm to Ø7.8mm.
- High IP degree (IP68 1m/1h, when mated).
- UL94-V0 (self-extinguishing)
- UV resistance
- RoHS, REACH compliant

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Technical Data

ITEMS	SPECIFICATION
Rated Voltage	UL6703 1500V DC / IEC62852:2014+A1 , 1500V DC
Rated Current (IEC @85℃)	25A (2.5mm²/14AWG), 41A(4.0mm²/12AWG), 45A(6.0 mm²/10AWG)
Rated Current (UL@85℃)	15A (14AWG), 35A(12AWG), 35A(10AWG)
Rated impulse voltage	16KV (IEC)
Typical contact resistance	≤ 0.3mΩ for Stamped & Formed contact ,TYP
Insulation material	Thermoplastic (PC/PA)
Contact Material	Copper, tin-Plated
Type of connection	Crimping
Application Class	Class A
Over voltage category	III
Degree of Protection	IP68(1 meter, 1hours) mated, IP2X unmated
Flame class	UL94-V0
Cable OD range	Ø4.5mm~Ø7.8mm
Pollution Degree	2
Safety Class	Class II
Ambient Temperature range	-40℃ ~ +85℃
Upper limiting temperature	115℃
Locking system	Snap locking

How to order H4 Pro connectors:

Product number	Gender	Connector type	Wire cross section	Certification	Packing		Terminal type	
H4VFC4DMS	F Female(+)	C - Cable connector	4 - 4 mm2/12AWG or 6mm2/10AWG	D - TUV & UL	M	500pcs/bag, 1000pcs/box	S	Stamped and Formed terminal
H4VFM4DMS		M - Bulkhead connector						
H4VMC4DMS	M Male(-)	C - Cable connector						
H4VMM4DMS		M - Bulkhead connector						

*How to order terminals on reel (for stamped and formed terminals only)

Ordering Code	Description	Contacts per reel
H4SF2R	2.5mm/14awg socket	2000
H4FM2R	2.5mm/14awg pin	2000
H4SF4R	4&6mm/10&12awg socket	2000
H4FM4R	4&6mm/10&12awg pin	2000

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China:
Amphenol Technology (Shenzhen) Co., Ltd.
Building C, 2nd Industrial Zone of Xia Shi Jia, Gongming Sub-district, Guangming District, Shenzhen, China 518106
Tel: +86 755-29918389
tech@amphenol-industrial.com

India:
Amphenol Industrial Products India Pvt. Ltd.
Plot No. A44, S.No. 16pt and 18pt, SIPCOT Indl. Park, Sriperumbudhur, Oragadam Tamil Nadu 602105, India
tech@amphenol-industrial.com

Middle East:
Amphenol Middle East Enterprises FZE Office C-37 PO Box 21107
Ajman Free Zone, UAE
Tel: +9 716-7422494
Fax: +9 716-7422941
tech@amphenol-industrial.com

North America:
Amphenol Industrial Operations 482 N. Mariposa Rd, Bldg. A
Nogales, AZ 85621
Tel: (888) 364-9011
Fax: (520) 285-5134
tech@amphenol-aio.com

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Tools and Accessories

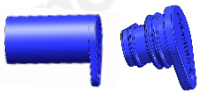
Ordering Code	Description
H4TC0003	Crimp tool (for S&F terminals)
H4TS0000	Strip tool
H4TU0000	Universal unlocking tool
H4TW0008	Torque wrench and unlocking tool
H4SPM	Protective cap for male side
H4SPF	Protective cap for female side
H4TT0001	Contact depth Inspection tool



Crimp tool



Strip Tool



Protective cap



Torque wrench tool



Unlock tool



Contact depth inspection tool

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India Pvt. Ltd.
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18pt, SIPCOT Indl. Park,
Sriperumbudhur, Oragadam
Tamil Nadu 602105, India
tech@amphenol-industrial.com

Middle East:
Amphenol Middle East Enterprises FZE
Office C-37 PO Box 21107
Ajman Free Zone, UAE
Tel: +9 716-7422494
Fax: +9 716-7422941
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