

Solar Line

PHOTOVOLTAIC INTERCONNECTION SYSTEM



AMPHENOL INDUSTRIAL SOLAR TECHNOLOGIES

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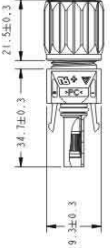
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Amphenol Australia Pty Ltd

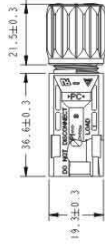
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H4 PV cable connector

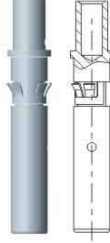
H4 Female PV cable connector



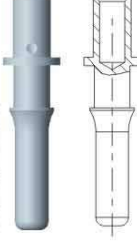
H4 Male PV cable connector



H4 Female socket contact



H4 Male pin contact



How to order

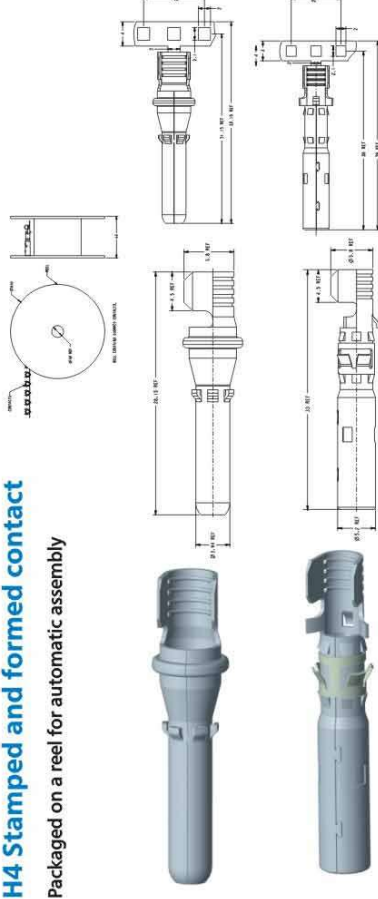
Product Family	Product	Gender	Connector type	Cable size	Approvals	Connector packaging
H4 Helios H4	C Connector	F Female + M Male -	C Cable gland	2 2.5 mm ² /AWG14 4 4 mm ² /AWG12 6 6 mm ² /AWG10 8 10 mm ² /AWG8	D Dual	I 1pc/bag, 800pcs/box C 100pcs/bag, 10bags/box M 500 pcs/ bag, 2bags/box

Technical Data

Rated current	32A(2.5mm ² ; 14AWG), 40A(4.0mm ² ; 12AWG), 44A(6.0mm ² ; 10AWG), 65A(10.0mm ² ; 8AWG)
Rated voltage	1000V (IEC/TUV/VUL)
Test voltage	6KV for 1 minute, 8KV impulse (1.2/50 μs)(IEC)
Typical contact resistance	0.30mΩ for S&F contact, 0.25mΩ for machined contact
Contact material	Copper, tin plated
Contact system	Cold formed / stamp formed contact with RADSOR® insert
Insulation material	PC
Locking mechanism	Snap-lock, special unlocking tool required to un-mate as required by NEC2011
Cable strain relief	Compression gland with ratcheting gland nut
Degree of protection	IP68
Safety class	II
Pollution degree	2
Overvoltage category	III
Flame class	UL94 V-0
Ambient temperature range	-40°C--- +85°C

H4 Stamped and formed contact

Packaged on a reel for automatic assembly



H4 connector with S&F contact logic code

Product Family	Product	Gender	Connector type	Cable size	Approvals	Connector packaging	Contact
H4 Helios H4	C Connector	F Female + M Male -	C Cable gland	2 2.5 mm ² /AWG14 4 4 mm ² /12AWG 8mm ² /10AWG 0 Less contacts	D DUAL	I 1pc/bag, 800pcs/box C 100pcs/bag, 10bags/box M 500 pcs/ bag, 2bags/box	S S&F contact

H4 Stamp and formed contact ordering logic

Product line	Contact type	Gender	Cable size	Packing
H4 Helios H4	F S&F contact	F Female	2 1.5mm ² /16AWG 82.5mm ² /14AWG 4 4.0mm ² /12AWG 6.0mm ² /10AWG	R 2000/reel

Note: If ordering contacts in 2000pcs/reel version, need to order contacts and plastic housing separately. Contacts is as this table plastic house should choose as H4CFCDM for female housing and H4CMCDM for male housing. If choose contact picked off from reel, just choose as H4CFCDMS for female connector with S&F contacts, 1000pcs/box pack.

Assembly Tool

