

HC4 FRESH CONNECTOR



**Interconnection Technology for
Photovoltaic Systems**

One-Pole Plug Connector HC4®



Interconnection Technology for Photovoltaic Systems

Due to its exposure to harsh environmental conditions the electrical wiring in the Photovoltaic Industry has to fulfil demanding requirements, e.g. the need for lowest contact resistance and the request for a reliable, maintenance-free functional system.

Besides the high technical needs, laid down in the respective UL and IEC standards, these solutions have to be easy to implement and maintain while being attractively priced. Renewable Energy, a division of Hirschmann Automotive GmbH, together with leading module producers met the challenge and developed the next generation connection system for the wiring of solar modules. Based on the wide design and development experience gathered in the Automotive Industry environment, a new product generation has been developed, which sets new standards in terms of reliability, cost efficiency and the ability to differentiate your product against competition.



Technical Data

Materials

Socket and Pin Contacts:	High Performance CU-ALLOY
Contact finish:	SnAg
Housing:	PA and mPPE, weatherproof resistance against UV radiation and ozone
Color:	Black

Electrical Features

Rated Voltage:	Up to 1500 V DC / Depends on Type
Rated Current:	Up to 24 A (IEC 4mm ²)
Contact Resistance:	< 0,35 mOhm

Mechanical Features

Dimensions:	Diameter 20 mm
Temperature Range:	- 40 °C to + 85 °C (ambient temperature)
Wire Size Range:	2.5 mm ² ; 4 mm ² (stranded wire)
Protection Degree:	IP66, IP67 and IPX9K (mated)
Additional Features:	Connector with crimp technology

Standards

	IEL L2852:2014
	Ammonia Resistance (DLG-FokusTest)
	UL 6703

Contact us! Let's work together in defining your competitive advantage to succeed in the global market environment.

Hirschmann Automotive GmbH
Division Renewable Energy
Oberer Paspelsweg 6-8
6830 Rankweil, Austria
Telephone: +43 5522 307-0
Fax: +43 5522 307-555
info@hirschmann-automotive.com
www.hirschmann-automotive.com

