



## HelioFuse

Amphenol Industrial Global Operations (AIGO) offers products and solutions for all segments of the solar electric system. AIGO 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.

AIGO's molded in-line fuse, HelioFuse, provides a quick replaceable solution for installing in-line solar fuses. The molded construction provides weather tight housing preventing moisture from getting to the fuse construction. The in-line fuse provides the needed electrical protection to prevent damage to the solar array should a ground fault occur. The connectorized fuse construction allows for rapid removal and replacement upon correction of a ground fault.

HelioFuse is offered in two configurations; A connector version which plugs right into an industry standard solar connector (Helios H4 Connector) and our wire overmold version for custom harnesses.

Amphenol Industrial Global Operations can help you power the planet with the sun. The HelioFuse is just one of the solar solutions Amphenol Industrial Global Operations has to offer.

### Features:

- Rugged, low cost solution
- Patent-pending design
- Fully intermateable with industry standard connectors
- 1A to 20A current rating
- 600V and 1000V versions
- 10,000A withstand rating
- IP68 protection degree
- Meets UL 94 V-0 flammability rating
- UL approved

### Assembly Instructions:

- Always follow the manufacturer's recommended installation instructions for the connectors used in the assemblies that are specified by the system designer.
  - If Amphenol H4 has been specified, please find the Amphenol H4 Assembly Instructions here: [www.amphenol-industrial.com/index.php/literature/catalogs](http://www.amphenol-industrial.com/index.php/literature/catalogs)
- Always follow PPE protocol when handling these assemblies under source load. Please ensure necessary PPE actions are employed before handling any of the components used in these assemblies (including but not limited to overmolds, connectors, wire) while under source load.

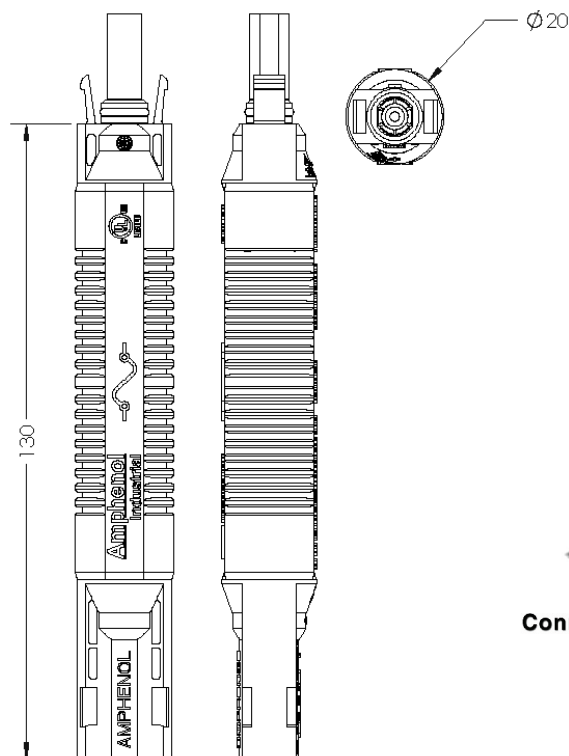
[www.tpil.com](http://www.tpil.com)

[www.amphenol-industrial.com](http://www.amphenol-industrial.com)



## Technical Data

Description	Connector Version	Wire Overmold Version
DC Current Ratings	1, 2, 3, 3.5, 4, 5, 6, 8, 10, 12, 15, 20A	1, 2, 3, 3.5, 4, 5, 6, 8, 10, 12, 15, 20A
DC Voltage Ratings	600V/1000V	600V/1000V
Current Withstand Rating	10,000A	10,000A
Protection Degree	IP68	IP68
Operating Temperature Range	-40°C to +70°C	-40°C to +70°C
Flammability Rating	UL 94 V-0	UL 94 V-0
Connector Options	Helios H4 Connector ( M-M, M-F, F-F)	12AWG (4mm <sup>2</sup> ) to 8AWG (10mm <sup>2</sup> )
Regulatory Approvals (600V/1000V)	UL Listed	UL Recognized



Connector Version

Wire Overmold Version

### How to order (Connector Version Only)

For wire overmold version, please contact Amphenol Technical Products International

1		2		3		4	
21		3		0		01	
Product Type		Voltage Rating (UL)		Connector Configuration		Fusing Current Rating	
21	Inline Fuse	3	1000 V	0	Male/Female	01	1 amp
		4	600 V	1	Male/Male	02	2 amp
				2	Female/Female	03	3 amp
						035	3.5 amp
						04	4 amp
						05	5 amp
						06	6 amp
						08	8 amp
						10	10 amp
						12	12 amp
						15	15 amp
						20	20 amp

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.

For further information on your individual application requirements, contact: Amphenol Corporation

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