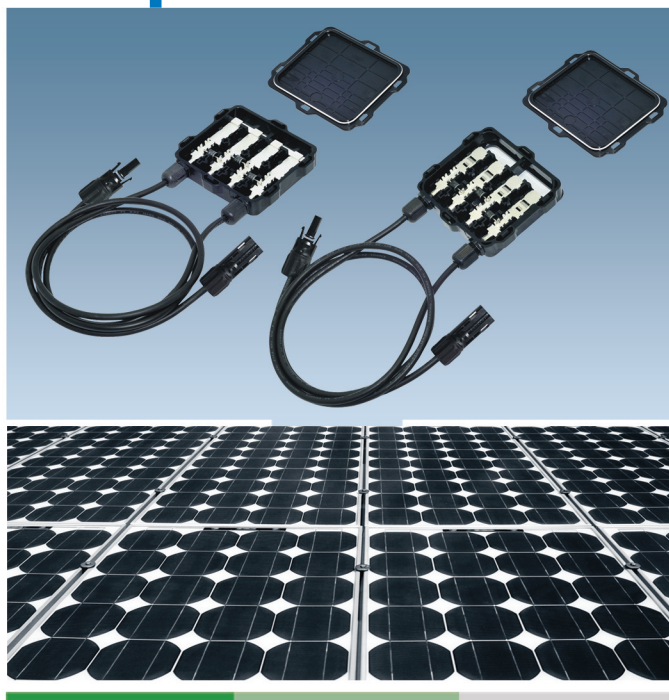


# Amphenol®



## Helios Hercules PV Junction Box

Amphenol Industrial Operations (AIO) offers products and solutions for all segments of the solar electric system. AIO 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. Amphenol® has a broad range of technologies to help minimize the costs associated with panel applications. Amphenol Industrial can help you power the planet with the sun. The Hercules Junction Box is just one of the solar module solutions Amphenol Industrial has to offer.

### Features:

- Uniform dimensions, multiple diode and contact variations
- IP67 Rated
- Breathing hole for air exchange

# Helios

## Hercules PV Junction Box

### Technical Data

Terminal quantity	3 rails or 4 rails
Rated current	30A
Rated voltage	UL: 600V dc IEC/TUV: 1000V dc
Number of bypass diodes	2 or 3 or 4 or 6
Connection cross-section	12AWG/4.0mm <sup>2</sup> or 10AWG/6.0mm <sup>2</sup>
Temperature range	-40°C --- +90°C
Protection degree	IP67
Dimensions	117x107x22mm
Flame class	UL94 V-0; 5VA
Ribbon connection	Clamping, soldering or spot welding
Breathing hole	With or without
Connector type	Amphenol H4
Adhesive tape	With or without
Cable length	75cm, or 90 cm, or 100cm, customer specified



### How to order

1		2		3		4		5	
HB		H		A		B		D	
Product line		Product type		Terminals and Diodes		Terminal Style		Diode rating	
HB	Helios JB	H	Hercules Junction Box	A	4 contacts/3 diodes	A	Clamp contacts	A	12A 200V
				B	3 contacts/(2 left/1 right)/2 diodes	B	Solder contacts	B	12A 40V
				C	3 contacts/(1 left/2 right)/2 diodes	C	Solder contacts left & right opening	C	15A 40V
				D	4 contacts/6 diodes	D	Solder contacts left opening	D	30A 40V
				E	3 contacts (2 left/ 1 right)/4 diodes	E	Solder contacts right opening	E	20A 40V
				F	3 contacts (1 left/ 2 right)/4 diodes	F	Spot weld contacts	F	15A 45V

### How to order

6		7		8		9		10		11		12	
A		N		B		N		B		B			
Sealing type		Breathing Hole		Cable size		Adhesive		Cable length (Ln)*		Cable length (Lp)*		Variations	
A	Potting	Y	Yes	A	6.0mm2/10AWG	Y	Yes	A	1000mm	A	1000mm		
B	O-ring	N	No	B	4.0mm2/12AWG	N	No	B	900mm	B	900 mm		

\*Ln: cable length on negative end; Lp: cable length on positive end  
 ---Please contact us for additional variations

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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