Amphenol®



Overmolded Solar Junctions

for all segments of the solar electric system. AIPG understands the need for efficient (low loss) power transfer, highly reliable and cost effective solutions that are required to be competitive in the industry. We can provide panel manufacturers, installers and OEM's with connectivity products for both thin film and crystalline silicon technologies.

effective solar solutions Amphenol Industrial Products Group has to offer.

- Amphenol sealing technology
 Reduced maintenance costs
 Patent-pending design
 Fully intermateable with industry
 standard connectors

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

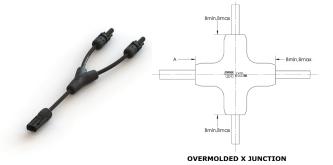
 Always follow PPE protocol when handling these assemblies under source load. Please ensure necessary PPE actions are employed before handling any of the components used in these assemblies (including but not limited to overmolds, connectors, wire) while under source load.

www.tpil.com www.amphenol-industrial.com

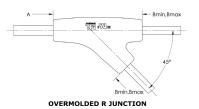


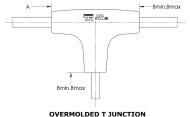
Technical Data

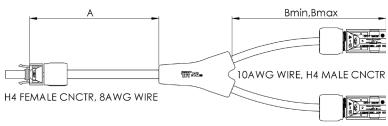
DC Voltage Rating	1000V
DC Current Rating	50A (15A Per Drop If Fused)
Flammability Rating	UL94 V-0
Protection Degree	IP 68
Operating Temp. Range	-40°C to 70°C
Cable Sizes	8AWG, 10AWG
Connector Options	H4 Connector/Multi-Contact MC4 Connector
Cable Type	PV Wire
Regulatory Approval	UL Recognized



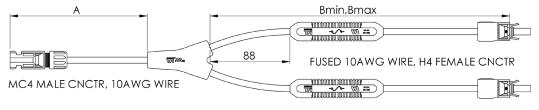
Termination Type	Trunk	Drops			
	Α	B min	B max		
Male Connector	1.14	144	1000		
Male Fused Connector	144	352			
Female Connector	119	119			
Female Fused Connector	119	324			







OVERMOLDED Y JUNCTION - 222100



How to order

OVERMOLDED Y JUNCTION - 222621

Product Type		Junction Type		Trunk Configuration/Connector		Drop Configuration		Drop Connector	
22	Solar Junction	0	R	0	8AWG H4M	0	10AWG—"Min"	0	H4M
		1	T	1	8AWG H4F	1	10AWG-1m	1	H4F
		2	Υ	2	8AWG MC4M	2	10AWG Fused (15A)—"Min"	2	MC4M
		3	Χ	3	8AWG MC4F	3	10AWG Fused (15A)—1m	3	MC4F
				4	10AWG H4M	4	12AWG—"Min"		
				5	10AWG H4F	5	12AWG-1m		
				6	10AWG MC4M	6	12AWG Fused (15A)—"Min"		
				7	10AWG MC4F	7	12AWG Fused (15A)—1m		

- 1) DO NOT mate MC4 or any other connector to H4 connector and vice versa. Specifications listed herein are valid only, if the mated pair are from the same connector manufacturer.
- 2) Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications.

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