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### Connectors for Use in Photovoltaic Systems - Component

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#### AMPHENOL INDUSTRIAL OPERATIONS

E339277


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SIDNEY, NY 13838-1304 USA

Cat. No.	Electrical Rating
<b>Photovoltaic wiring-system connectors</b>	
<b>Cable connectors</b>	
H4 Plus Assembled, also known as:  H4CFCxDyz (female gender) H4CMCxDyz (male gender)  Where "y" can be I ,C, or M for individual, 100 count, or 400 count packaging and "z" can be blank for cold formed/machined (CF) or S for stamped & formed (S&F) contacts.  Acceptable cable diameter range: Ø5.75-7.25 mm	If "x" is 2 and "z" is S: 1500 V dc & 15 A max with appropriately rated 14 AWG cable, using a S&F contact only  If "x" is 2 and "z" is blank: 1500 V dc & 15 A max with appropriately rated 14 AWG cable, using a CF contact only  If "x" is 4 and "z" is S: 1500 V dc & 20 A max with appropriately rated 12 AWG cable OR 1500 V dc & 30 A max with appropriately rated 10 AWG cable, using a S&F contact only  If "x" is 4 and "z" is blank: 1500 V dc & 20 A max with appropriately rated 12 AWG cable, using a CF contact only  If "x" is 6 and "z" is blank: 1500 V dc & 30 A max with appropriately rated 10 AWG cable, using a CF contact only  If "x" 0 and "z" is blank: no contact supplied (see below for order S&F contacts separately)
H4 Plus S&F Contacts on a Reel of 2000 (for use with H4 Plus Assembled PV connectors*), also known as:  H4SFxR (female contact)* H4SMxR (male contact)  *May be used with H4 and HH4 female gender connector	If "x" is 2: 1500 V dc & 15 A max with appropriately rated 14 AWG cable in the H4 Plus Assembled PV Connector above, only.  If "x" is 4: 1500 V dc & 20 A max with appropriately rated 12 AWG cable OR 1500 V dc & 30 A max with appropriately rated 10 AWG cable in the H4 Plus Assembled PV Connector above, only.
Helios H4 assembled, also known as:  H4CFCxDyz (female gender) H4CMCxDyz (male gender)  Where "y" can be I ,C, or M for individual, 100 count, or 500 count packaging and "z" can be blank for cold formed/machined (CF) or S for stamped & formed (S&F) contacts.  Acceptable cable diameter range: Ø4.5-7.8 mm	If "x" is 2 and "z" is S: 1500 V dc & 15 A max with appropriately rated 14 AWG cable, using a S&F contact only  If "x" is 2 and "z" is blank: 1500 V dc & 15 A max with appropriately rated 14 AWG cable, using a CF contact only  If "x" is 4 and "z" is S: 1500 V dc & 20 A max with appropriately rated 12 AWG cable OR 1500 V dc & 30 A max with appropriately rated 10 AWG cable, using a S&F contact only  If "x" is 4 and "z" is blank: 1500 V dc & 20 A max with appropriately rated 12 AWG cable, using a CF contact only  If "x" is 6 and "z" is blank: 1500 V dc & 30 A max with appropriately rated 10 AWG cable, using a CF contact only  If "x" 0 and "z" is blank: no contact supplied (see below for order S&F contacts separately)
Helios H4 assembled, also known as:  H4CFC8Dyz (female gender) H4CMC8Dyz (male gender)  Where "y" can be I ,C, or M for individual, 100 count, or 500 count packaging and "z" is always blank for cold formed/machined (CF) contact, only.  Acceptable cable diameter range: Ø4.5-7.8 mm	600 V dc & 50 A max with 600 V dc max rated 8 AWG cable
H4 S&F Contacts on a Reel of 2000 (for use with Helios H4 and HH4 PV connectors series only), also known as:	If "x" is 2: 1500 V dc & 15 A max with appropriately rated 14 AWG cable in the H4 Helios Assembled PV Connector above,

H4FFxR (female contact) H4FMxR (male contact)	only.  If "x" is 4: 1500 V dc & 20 A max with appropriately rated 12 AWG cable OR 1500 V dc & 30 A max with appropriately rated 10 AWG cable in the Helios H4 Assembled PV Connector above, only.
Helios H4 8AWG, also known as:  Enlarge H4, also known as: H4-XL, also known as:  H4CFE8Dyz H4CME8Dyz  Where "y" can be I ,C, or M for individual, 100 count, or 400 count packaging and "z" is always blank for cold formed/machined (CF) contact, only.  Acceptable cable diameter range: Ø7.6-9.3 mm	1500 V dc & 50 A max with appropriately rated 8 AWG cable
<b>Bulkhead connectors</b>	
Helios H4 Bulkhead, also known as:  M12 thread option: H4CFMxDyz (female gender) H4CMMxDyz (male gender)  M14 thread option: H4CFNxDyz (female gender) H4CMNxDyz (male gender)  Where "y" can be I ,C, or M for individual, 100 count, or 500 count packaging and "z" can be blank for cold formed/machined (CF) or S for stamped & formed (S&F) contacts.	If "x" is 2 and "z" is S: 1500 V dc & 15 A max with appropriately rated 14 AWG cable, using a S&F contact only  If "x" is 2 and "z" is blank: 1500 V dc & 15 A max with appropriately rated 14 AWG cable, using a CF contact only  If "x" is 4 and "z" is S: 1500 V dc & 20 A max with appropriately rated 12 AWG cable OR 1500 V dc & 30 A max with appropriately rated 10 AWG cable, using a S&F contact only  If "x" is 4 and "z" is blank: 1500 V dc & 20 A max with appropriately rated 12 AWG cable, using a CF contact only  If "x" is 6 and "z" is blank: 1500 V dc & 30 A max with appropriately rated 10 AWG cable, using a CF contact only  If "x" 0 and "z" is blank: no contact supplied (see below for order S&F contacts separately)
Helios H4 Bulkhead, also known as:  M12 thread option: H4CFM8Dyz (female gender) H4CMM8Dyz (male gender)  M14 thread option: H4CFN8Dyz (female gender) H4CMN8Dyz (male gender)  Where "y" can be I ,C, or M for individual, 100 count, or 500 count packaging and "z" is always blank for cold formed/machined (CF) contact, only.	600 V dc & 50 A max with 600 V dc max rated 8 AWG cable
H4 S&F Contacts on a Reel of 2000 (for use with Helios H4 Assembled PV connectors only), also known as:  H4FFxR (female contact) H4FMxR (male contact)	If "x" is 2: 1500 V dc & 15 A max with appropriately rated 14 AWG cable in the H4 Helios Assembled PV Connector above, only.  If "x" is 4: 1500 V dc & 20 A max with appropriately rated 12 AWG cable OR 1500 V dc & 30 A max with appropriately rated 10 AWG cable in the Helios H4 Assembled PV Connector above, only.
<b>Cable connectors</b>	
H4YY branch connector (male & male inputs to female output)	1000 V dc max & 30 A max total combined parallel inputs
H4YX branch connector (female & female inputs to male output)	1000 V dc max & 30 A max total combined parallel inputs
UTX PV Connector, also known as:  UTXCfRsAt (female gender) UTXCmRsAt (male gender)  Where "r" can be A for stamped & formed (S&F) or B for cold formed/machined (CF) contacts and "t" can be I ,C, or M for individual, 100 count, or 400 count packaging.  Acceptable cable diameter range: Ø5.3-7.65 mm	If "r" is A and "s" is 2: 1500 V dc & 15 A max with appropriately rated 14 AWG cable, using a S&F contact only  If "r" is B and "s" is 2: 1500 V dc & 15 A max with appropriately rated 14 AWG cable, using a CF contact only  If "r" is A and "s" is 4: 1500 V dc & 20 A max with appropriately rated 12 AWG cable OR 1500 V dc & 30 A max with appropriately rated 10 AWG cable, using a S&F contact only  If "r" is B and "s" is 4: 1500 V dc & 20 A max with appropriately rated 12 AWG cable, using a CF contact only  If "r" is B and "s" is 6: 1500 V dc & 30 A max with appropriately rated 10 AWG cable, using a CF contact only  If "r" is A or B and "s" is 0: no contact supplied (see below for order S&F contacts separately)
UTX-XL PV Connector, also known as:  UTXCFL8At (female gender) UTXCML8At (male gender)	1500 V dc & 50 A max with appropriately rated 8 AWG cable, using a CF contact only

Where "t" can be M for 250 count packaging. Acceptable cable diameter range: Ø7.6-9.3 mm	
<b>Bulkhead connectors</b>	
<p>UTX PV Bulkhead Connector, also known as:</p> <p>M12 thread option: UTXMFrsAt (female gender) UTXMMrsAt (male gender)</p> <p>M14 thread option: UTXNFrSAt (female gender) UTXNMrsAt (male gender)</p> <p>Where "r" can be A for stamped &amp; formed (S&amp;F) or B for cold formed/machined (CF) contacts and "t" can be I ,C, or M for individual, 100 count, or 400 count packaging.</p>	<p>If "r" is A and "s" is 2: 1500 V dc &amp; 15 A max with appropriately rated 14 AWG cable, using a S&amp;F contact only</p> <p>If "r" is B and "s" is 2: 1500 V dc &amp; 15 A max with appropriately rated 14 AWG cable, using a CF contact only</p> <p>If "r" is A and "s" is 4: 1500 V dc &amp; 20 A max with appropriately rated 12 AWG cable OR 1500 V dc &amp; 30 A max with appropriately rated 10 AWG cable, using a S&amp;F contact only</p> <p>If "r" is B and "s" is 4: 1500 V dc &amp; 20 A max with appropriately rated 12 AWG cable, using a CF contact only</p> <p>If "r" is B and "s" is 6: 1500 V dc &amp; 30 A max with appropriately rated 10 AWG cable, using a CF contact only</p> <p>If "r" is A or B and "s" is 0: no contact supplied (see below for order S&amp;F contacts separately)</p>
<p>UTX S&amp;F Contacts on a Reel of 2000 (for use with UTX PV connectors only), also known as:</p> <p>UTXFFxR (female contact) UTXFMxR (male contact)</p>	<p>If "x" is 2: 1500 V dc &amp; 15 A max with appropriately rated 14 AWG cable in the UTX PV Connector above, only.</p> <p>If "x" is 4: 1500 V dc &amp; 20 A max with appropriately rated 12 AWG cable OR 1500 V dc &amp; 30 A max with appropriately rated 10 AWG cable in the UTX PV Connector above, only</p>
<b>Cable connectors</b>	
H4 Plus Assembled	1500 V dc, 35 A max with 10-16 AWG cable
Helios H4 Assembled, Helios HH4 Assembled	1500 V dc, 35 A max with 10-16 AWG cable 600 V dc, 50 A max with 8 AWG cable
Helios H4 8AWG	1500 V dc, 50 A max with 8-10 AWG PV cable
Helios H4 Bulkhead, Helios HH4 Bulkhead	1500 V dc, 35 A max with 10-16 AWG cable 600 V dc, 50 A max with 8 AWG cable
HXC	1000 V dc with 8-14 AWG PV cable
UTXCcdL8fg series, where c may be F or M, f may be A, g may be I, C or M	1500 V dc, 50 A max with 8 AWG cable
UTXCcd6fgh series, where c may be F or M, d may be A or B, f may be A to Z, g may be I, C or M, h may be blank or A	1500 V dc, 30 A max with 10 AWG cable
UTXCcd4fgh series, where c may be F or M, d may be A or B, f may be A to Z, g may be I, C or M, h may be blank or A	1500 V dc, 20 A max with 12 AWG cable
UTXCcd2fgh series, where c may be F or M, d may be A or B, f may be A to Z, g may be I, C or M, h may be blank or A	1500 V dc, 15 A max with 14 AWG cable
UTXCcd1fgh series, where c may be F or M, d may be A or B, f may be A to Z, g may be I, C or M, h may be blank or A	1500 V dc, 10 A max with 16 AWG cable
<b>Bulkhead connectors</b>	
UTXNcd6fg series, where c may be F or M, d may be A or B, f may be A, g may be I, C or M	1500 V dc, 30 A max with 10 AWG cable
UTXNcd4fg series, where c may be F or M, d may be A or B, f may be A, g may be I, C or M	1500 V dc, 20 A max with 12 AWG cable
UTXNcd2fg series, where c may be F or M, d may be A or B, f may be A, g may be I, C or M	1500 V dc, 15 A max with 14 AWG cable
UTXNcd1fg series, where c may be F or M, d may be A or B, f may be A, g may be I, C or M	1500 V dc, 10 A max with 16 AWG cable
UTXMcd6fg series, where c may be F or M, d may be A or B, f may be A, g may be I, C or M	1500 V dc, 30 A max with 10 AWG cable
UTXMcd4fg series, where c may be F or M, d may be A or B, f may be A, g may be I, C or M	1500 V dc, 20 A max with 12 AWG cable
UTXMcd2fg series, where c may be F or M, d may be A or B, f may be A, g may be I, C or M	1500 V dc, 15 A max with 14 AWG cable
UTXMcd1fg series, where c may be F or M, d may be A or B, f may be A, g may be I, C or M	1500 V dc, 15 A max with 16 AWG cable

Marking: Company name, catalog designation and the Recognized Component Mark  on the device or carton.  
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