

# QIJQ2.E339277 - Connectors for Use in Photovoltaic Systems - Component

## Connectors for Use in Photovoltaic Systems - Component

See General Information for Connectors for Use in Photovoltaic Systems - Component

**AMPHENOL INDUSTRIAL OPERATIONS**  
40-60 DELAWARE AVE  
SIDNEY, NY 13838-1304 USA

E339277

Cat. No.		Electrical Rating	
Photovoltaic wiring-system connectors			
Cable connectors			
<p>H4 Plus Assembled, also known as:</p> <p>H4SFCxDyz (female gender)</p> <p>H4SMCxDyz (male gender)</p> <p>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 &amp; formed (S&amp;F) contacts.</p> <p>Acceptable cable diameter range: Ø5.75-7.25 mm</p>		<p>If "x" is 2 and "z" is S: 1500 V dc &amp; 15 A max with appropriately rated 14 AWG cable, using a S&amp;F contact only</p> <p>If "x" is 2 and "z" is blank: 1500 V dc &amp; 15 A max with appropriately rated 14 AWG cable, using a CF contact only</p> <p>If "x" is 4 and "z" is S: 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 "x" is 4 and "z" is blank: 1500 V dc &amp; 20 A max with appropriately rated 12 AWG cable, using a CF contact only</p> <p>If "x" is 6 and "z" is blank: 1500 V dc &amp; 30 A max with appropriately rated 10 AWG cable, using a CF contact only</p> <p>If "x" 0 and "z" is blank: no contact supplied (see below for order S&amp;F contacts separately)</p>	
<p>H4 Plus S&amp;F Contacts on a Reel of 2000 (for use with H4 Plus Assembled PV connectors*), also known as:</p> <p>H4SFxR (female contact)*</p> <p>H4SMxR (male contact)</p> <p>*May be used with H4 and HH4 female gender connector</p>		<p>If "x" is 2: 1500 V dc &amp; 15 A max with appropriately rated 14 AWG cable in the H4 Plus Assembled 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 H4 Plus Assembled PV Connector above, only.</p>	

<p>Helios H4 assembled, also known as:</p> <p>H4FCxDyz (female gender) H4CMCxDyz (male gender)</p> <p>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 &amp; formed (S&amp;F) contacts.</p> <p>Acceptable cable diameter range: Ø4.5-7.8 mm</p>	<p>If "x" is 2 and "z" is S: 1500 V dc &amp; 15 A max with appropriately rated 14 AWG cable, using a S&amp;F contact only</p> <p>If "x" is 2 and "z" is blank: 1500 V dc &amp; 15 A max with appropriately rated 14 AWG cable, using a CF contact only</p> <p>If "x" is 4 and "z" is S: 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 "x" is 4 and "z" is blank: 1500 V dc &amp; 20 A max with appropriately rated 12 AWG cable, using a CF contact only</p> <p>If "x" is 6 and "z" is blank: 1500 V dc &amp; 30 A max with appropriately rated 10 AWG cable, using a CF contact only</p> <p>If "x" 0 and "z" is blank: no contact supplied (see below for order S&amp;F contacts separately)</p>
<p>Helios H4 assembled, also known as:</p> <p>H4FC8Dyz (female gender) H4CMC8Dyz (male gender)</p> <p>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.</p> <p>Acceptable cable diameter range: Ø4.5-7.8 mm</p>	<p>600 V dc &amp; 50 A max with 600 V dc max rated 8 AWG cable</p>
<p>H4 S&amp;F Contacts on a Reel of 2000 (for use with Helios H4 and HH4 PV connectors series only), also known as:</p> <p>H4FFxR (female contact) H4FMxR (male contact)</p>	<p>If "x" is 2: 1500 V dc &amp; 15 A max with appropriately rated 14 AWG cable in the H4 Helios Assembled 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 Helios H4 Assembled PV Connector above, only.</p>
<p>Helios H4 8AWG, also known as:</p> <p>Enlarge H4, also known as: H4-XL, also known as:</p> <p>H4CFE8Dyz H4CME8Dyz</p> <p>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.</p> <p>Acceptable cable diameter range: Ø7.6-9.3 mm</p>	<p>1500 V dc &amp; 50 A max with appropriately rated 8 AWG cable</p>
<p><b>Bulkhead connectors</b></p>	

<p>Helios H4 Bulkhead, also known as:</p> <p>M12 thread option: H4CFMxDyz (female gender) H4CMMxDyz (male gender)</p> <p>M14 thread option: H4CFNxDyz (female gender) H4CMNxDyz (male gender)</p> <p>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 &amp; formed (S&amp;F) contacts.</p>	<p>If "x" is 2 and "z" is S: 1500 V dc &amp; 15 A max with appropriately rated 14 AWG cable, using a S&amp;F contact only</p> <p>If "x" is 2 and "z" is blank: 1500 V dc &amp; 15 A max with appropriately rated 14 AWG cable, using a CF contact only</p> <p>If "x" is 4 and "z" is S: 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 "x" is 4 and "z" is blank: 1500 V dc &amp; 20 A max with appropriately rated 12 AWG cable, using a CF contact only</p> <p>If "x" is 6 and "z" is blank: 1500 V dc &amp; 30 A max with appropriately rated 10 AWG cable, using a CF contact only</p> <p>If "x" 0 and "z" is blank: no contact supplied (see below for order S&amp;F contacts separately)</p>
<p>Helios H4 Bulkhead, also known as:</p> <p>M12 thread option: H4CFM8Dyz (female gender) H4CMM8Dyz (male gender)</p> <p>M14 thread option: H4CFN8Dyz (female gender) H4CMN8Dyz (male gender)</p> <p>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.</p>	<p>600 V dc &amp; 50 A max with 600 V dc max rated 8 AWG cable</p>
<p>H4 S&amp;F Contacts on a Reel of 2000 (for use with Helios H4 Assembled PV connectors only), also known as:</p> <p>H4FFxR (female contact) H4FMxR (male contact)</p>	<p>If "x" is 2: 1500 V dc &amp; 15 A max with appropriately rated 14 AWG cable in the H4 Helios Assembled 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 Helios H4 Assembled PV Connector above, only.</p>
<p>H4-D Bulkhead; or H4CMMNDCT (male), and H4CFMNDCT (female)</p>	<p>1500 V, 30 A</p>
<p>H4 Plus Bulkhead; or H4SFMxDyz and H4SMMxDyz</p>	<p>1500 V, 35 A max with 10-14 AWG wire</p>
<b>Cable connectors</b>	
<p>H4YY branch connector (male &amp; male inputs to female output)</p>	<p>1000 V dc max &amp; 30 A max total combined parallel inputs</p>
<p>H4YX branch connector (female &amp; female inputs to male output)</p>	<p>1000 V dc max &amp; 30 A max total combined parallel inputs</p>

<p>UTX PV Connector, also known as:</p> <p>UTXCFL8At (female gender) UTXCML8At (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>Acceptable cable diameter range: Ø5.3-7.65 mm</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-XL PV Connector, also known as:</p> <p>UTXCFL8At (female gender) UTXCML8At (male gender)</p> <p>Where "t" can be M for 250 count packaging.</p> <p>Acceptable cable diameter range: Ø7.6-9.3 mm</p>	<p>1500 V dc &amp; 50 A max with appropriately rated 8 AWG cable, using a CF contact only</p>
<p><b>Bulkhead connectors</b></p>	
<p>UTX PV Bulkhead Connector, also known as:</p> <p>M12 thread option: UTXMFrsAt (female gender) UTXMMrsAt (male gender)</p> <p>M14 thread option: UTXNFrAt (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.

Last Updated on 2020-05-21

并不是所有出现在本数据库中的公司名称和产品都满足了UL 跟踪检验服务的要求。只有带有 UL 标志的产品，才应该被视为经过 UL 认证，并满足UL 跟踪检验服务的要求。注意查看产品上的标志。

UL 允许在线认证目录中所含材料的复制遵循以下条件：1.指南信息、装配、构造、设计、系统和/或认证（文件）必须在不篡改任何数据（或图纸）的情况下完整且无误导性地呈现。2.“经 UL 允许从在线认证目录转载”声明必须出现在所摘取材料的邻近位置。此外，转载材料必须包含以下格式的版权声明：“© 2020 UL LLC”