

## http://www.molexkits.com

### Datasheet for 76650-0246

**General Information** 

Kit Part Number: 76650-0246

Connector Type: Wire-to-Wire

Solution: Solar

Molex Family: SolarSpec™

Certificates: N/A

Country of Origin: Kit assembled in U.S.A

**Specifications** 

Circuit Size: 1

Current Rating: 30A

Mounting Style: Free-Hanging

Orientation: Plugs, Receptacles

Tool Included: Yes
Voltage Rating: 600V
Wire Gauge (AWG): 12-10

#### **Product Hightlights**

Å The in-house design and manufacture of SolarSpec<sup>™</sup> pin and socket DC connectors and contacts enables Molex to deliver a superior quality, reliable and lower-cost solution to the market. Customers benefit from exclusive Molex design features including molded surface ribs and the lowest contact resistance over competitive connector versions. Connectors can be sold individually, as standard or custom cable assemblies, or supplied together with the Molex SolarSpec<sup>™</sup> Junction Box for Silicon PV panels. Features and Benefits DC connectors feature simple snap-lock mating, polarization and an audible click to ensure successful mating. Quick and easy factory or field assembly DC connectors feature internal-locking mechanism protected by latch guards; requires a tool to unlock Prevents accidental and unauthorised decoupling of connectors; ensures safe handling Touch-proof safety design of DC connectors Protection from electrical current even when connectors are unmated Connectors feature exclusive molded-surface ribs Allows for secure gripping, especially with work gloves DC connectors and cable assemblies are sealed to IP67 and resistant to UV and ozone damage Rugged, durable connectors and cables for use in solar applications DC connectors accommodate 2.50mmŲ and 4.00 to 6.00mmŲ (14 and 12 to 10 AWG) cable Multiple options to meet customer requirements Applications Home Installations Junction boxes Public Buildings Solar Farms (power plants) Solar Photovoltaic (PV) panels StadiumsÂ



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#### **Bill of Materials** Molex Part No. Quantity Description 20 130196-0314 SolarSpec Male Terminal 12-10 AWG Silver over Nickel 130197-0346 SolarSpec Female Terminal 12-10 AWG Silver over Nickel 20 PV Solar DC Connector Unlock Tool 2 130203-1250 SolarSpec<sup>™</sup> DC Receptacle, 12-10 AWG, 30A, 600V, Cable Opening 8.40mm (0.33") 20 130244-0201 $Solar Spec^{\text{TM}} \ DC \ Plug, \ 12\text{-}10 \ AWG, \ 30A, \ 600V, \ Cable \ Opening \ 8.40mm \ (0.33")$ 20 130244-0202 63823-6400 Crimp Tool for Solar Pin and Socket Crimp Terminals PremiumGrade™ 1

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Molex Part No.

Descripition