

## Datasheet for 76650-3005

### General Information

<b>Kit Part Number:</b>	76650-3005
<b>Connector Type:</b>	Wire-to-Wire
<b>Solution:</b>	Power Connectors
<b>Molex Family:</b>	Sabre™, Europe Kits
<b>Certificates:</b>	N/A
<b>Country of Origin:</b>	Kit assembled in U.S.A

### Specifications

<b>Circuit Size:</b>	2, 3, 4, 5, 6
<b>Current Rating:</b>	12-18A
<b>Mounting Style:</b>	Free-Hanging
<b>Orientation:</b>	Plugs, Receptacles
<b>Pitch:</b>	7.50mm (.295")
<b>Tool Included:</b>	No
<b>Voltage Rating:</b>	600V
<b>Wire Gauge (AWG):</b>	18-14

### Product Highlights

• The Sabre™ housings provide a lower-cost option to compete with connectors offering a similar voltage and current rating. The Sabre™ system is a robust, high-power connector, supplying up to 18 amperes per circuit. The Sabre™ power connector system provides design flexibility by accepting a wide range of wire gauges and insulation thicknesses. Lower-flammability Sabre™ products continue lowcost, high-power connector system legacy. • Features and Benefits • Patented new integral Terminal Position Assurance (TPA™) on male and female terminal virtually eliminates terminal backout

- Polarized housing assures proper mating
- Positive latch reduces accidental disengagement from mate
- Terminals are fully isolated in housing
- Blade-terminal design has four points of electrical contact, provides a more reliable electrical connection than circular style terminals
- Current rating up to 18.0A at 600V for high-current and high-voltage applications • Applications • Residential or commercial appliances
- HVAC equipment
- Computer servers
- Networking equipment
- Office equipment
- Fitness equipment
- Medical equipment
- Retail Security Scanning Systems
- Home Entertainment
- Factory Automation Equipment
- Lighting
- Power Supplies
- Work Stations
- Automotive Aftermarket • •

<http://www.molexkits.com>

**Bill of Materials**

<b>Molex Part No.</b>	<b>Description</b>	<b>Quantity</b>
43178-2002	Male Crimp Sabre™ Terminal 18-14 AWG, 4.57mm (.180") Maximum Insulation Diameter	100
43375-1001	Female Crimp Sabre™ Terminal 18-14 AWG, 4.57mm (.180") Maximum Insulation Diameter	100
43680-2002	2 Circuit 7.50mm (.295") Pitch Sabre™ Plug	8
43680-2003	3 Circuit 7.50mm (.295") Pitch Sabre™ Plug	5
43680-2004	4 Circuit 7.50mm (.295") Pitch Sabre™ Plug	4
43680-2005	5 Circuit 7.50mm (.295") Pitch Sabre™ Plug	3
43680-2006	6 Circuit 7.50mm (.295") Pitch Sabre™ Plug	3
44441-2002	2 Circuit 7.50mm (.295") Pitch Sabre™ Receptacle	5
44441-2003	3 Circuit 7.50mm (.295") Pitch Sabre™ Receptacle	5
44441-2004	4 Circuit 7.50mm (.295") Pitch Sabre™ Receptacle	4
44441-2005	5 Circuit 7.50mm (.295") Pitch Sabre™ Receptacle	3
44441-2006	6 Circuit 7.50mm (.295") Pitch Sabre™ Receptacle	3

**Recommended Molex Tool**

<b>Molex Part No.</b>	<b>Description</b>
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