

<http://www.molexkits.com>

Datasheet for 76650-3005

General Information

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

Specifications

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

Product Highlights

Â 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. Â 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 Â 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 Â Â

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Bill of Materials

Molex Part No.	Description	Quantity
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

Molex Part No.	Description