

## Datasheet for 76650-0160

### General Information

<b>Part Number:</b>	76650-0160
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Sabre Power Connector Kit
<b>Description:</b>	Free Hanging Plug and Receptacle
<b>Product Family:</b>	Sabre™
<b>Certificates:</b>	(Molex Parts within this kit) - EU RoHS Compliant, UL and CSA
<b>Country of Origin:</b>	Kit assembled in U.S.A.

### Specifications

#### Design

<b>Configuration:</b>	Wire to Wire
<b>Pitch:</b>	7.5mm (.295")
<b>Connector Type:</b>	Receptacles and Plugs
<b>Circuit Sizes:</b>	2, 3, 4, 5 and 6
<b>Current Rating:</b>	12-18 Amps Max. - Dependant on circuit size and wire gauge
<b>Voltage:</b>	600 Volts
<b>Wire size:</b>	18-14 AWG

### 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 low-cost, high-power connector system legacy.

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Features and Benefits	Applications
<ul style="list-style-type: none"> <li>• Patented new integral Terminal Position Assurance (TPA) on male and female terminal virtually eliminates terminal backout</li> <li>• Polarized housing assures proper mating</li> <li>• Positive latch reduces accidental disengagement from mate</li> <li>• Terminals are fully isolated in housing</li> <li>• Blade-terminal design has four points of electrical contact, provides a more reliable electrical connection than circular style terminals</li> <li>• Current rating up to 18.0A at 600V for high-current and high-voltage applications</li> </ul>	<ul style="list-style-type: none"> <li>• Residential or commercial appliances</li> <li>• HVAC equipment</li> <li>• Computer servers</li> <li>• Networking equipment</li> <li>• Office equipment</li> <li>• Fitness equipment</li> <li>• Medical equipment</li> <li>• Retail Security Scanning Systems</li> <li>• Home Entertainment</li> <li>• Factory Automation Equipment</li> <li>• Lighting</li> <li>• Power Supplies</li> <li>• Work Stations</li> <li>• Automotive Aftermarket</li> </ul>

**Bill of Materials for Part No. 76650-0160**

Molex Part No.	Country of Origin	Description	Quantity in Kit
43178-2002-C^	USA	Male Crimp Sabre™ Terminal (18-14) AWG 4.57mm (.180") max. Ins. Dia.	100
43375-1001-C^	USA	Female Crimp Sabre™ Terminal (18-14) AWG 4.57mm (.180") max. Ins. Dia.	100
44441-2002	USA	2 Circuit 7.5mm (.295") Pitch Sabre™ Receptacle	8
44441-2003	USA	3 Circuit 7.5mm (.295") Pitch Sabre™ Receptacle	5
44441-2004	USA	4 Circuit 7.5mm (.295") Pitch Sabre™ Receptacle	4
44441-2005	USA	5 Circuit 7.5mm (.295") Pitch Sabre™ Receptacle	3
44441-2006	USA	6 Circuit 7.5mm (.295") Pitch Sabre™ Receptacle	3
43680-2002	USA	2 Circuit 7.5mm (.295") Pitch Sabre™ Plug	8
43680-2003	USA	3 Circuit 7.5mm (.295") Pitch Sabre™ Plug	5
43680-2004	USA	4 Circuit 7.5mm (.295") Pitch Sabre™ Plug	4
43680-2005	USA	5 Circuit 7.5mm (.295") Pitch Sabre™ Plug	3
43680-2006	USA	6 Circuit 7.5mm (.295") Pitch Sabre™ Plug	3

^ Accommodates single or double wire crimps

**Recommended Molex Tool(s) for Part No. 76650-0160\***

Molex Part No.	Country of Origin	Description
63811-2100 *	Germany	Hand Crimp Tool for Male Terminal
63813-0600 *	USA	Manual Activation and Deactivation Tool for Male Terminal

**For additional Molex / Waldom Design and Solution Kits please go to [www.molexkits.com](http://www.molexkits.com)**

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63813-0800 *	USA	Manual Extraction Tool for Male Terminal
63813-2700 *	USA	Extraction Tool for Female Terminal
63811-7300 *	Germany	Hand Crimp Tool for Female Terminal

\*Tool(s) not included in kit. Tool(s) ordered separately.