

## Datasheet for 76650-0180

### General Information

<b>Part Number:</b>	76650-0180
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Euro Style Terminal Block Kit
<b>Description:</b>	High Power Fixed Mount PCB Single Row Vertical Term Block, 60A 300V
<b>Product Family:</b>	Beau™ Eurostyle™ Fixed Mount
<b>Certificates:</b>	(Molex Parts within this kit) - EU RoHS Compliant and UL
<b>Country of Origin:</b>	Kit assembled in U.S.A.

### Specifications

<b>Design</b>	
<b>Configuration:</b>	Wire-to-Board
<b>Pitch:</b>	10.16mm (.400")
<b>Connector Type:</b>	Fixed (single-piece) Terminal Blocks
<b>Entry Angle:</b>	Horizontal
<b>Circuit Sizes:</b>	2, 3, 4 and 6
<b>Current Rating:</b>	60 Amps
<b>Voltage:</b>	300 volts
<b>Wire size:</b>	10 - 8 AWG

### Product Highlights

Design engineers are looking to bring more power directly to the PCB, instead of using other costly and time-consuming methods, such as ring cable lugs or customized DIN-rail terminal blocks.

A wiring technique that is attractive for marketing requirements, as well as, easy for users to access, can greatly improve the success of end products that use power terminal blocks. Molex offers the most complete line-up of high-power terminal blocks in the industry.

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Features and Benefits	Applications
<ul style="list-style-type: none"> <li>• Rising cage clamp wire termination provides secure, reliable contact</li> <li>• Multiple PCB terminals distribute power more evenly, reducing "hot spots"</li> <li>• Combination slotted/posi drive screw heads improve transmission of torque for superior wire retention</li> <li>• Extended wire funnel entry surrounds the wire insulator, eliminating exposed wire strands and possible shorting</li> <li>• High temperature housing to withstand lengthy solder pre-heat conditions</li> </ul>	<ul style="list-style-type: none"> <li>• Industrial Applications</li> <li>• AC drives</li> <li>• Motor controls</li> <li>• Power controllers</li> <li>• Power converters</li> <li>• Audible/visual warning systems</li> <li>• Spa controls</li> <li>• Solar power</li> <li>• Fuel cells</li> </ul>

### Bill of Materials for Part No. 76650-0180

Molex Part No.	Country of Origin	Description	Quantity in Kit
39970-0102	Mexico	2 Circuit, 10.16mm (.400") Beau™ Eurostyle™ Fixed Mount PCB Terminal Block, 60A	3
39970-0103	Mexico	3 Circuit, 10.16mm (.400") Beau™ Eurostyle™ Fixed Mount PCB Terminal Block, 60A	2
39970-0104	Mexico	4 Circuit, 10.16mm (.400") Beau™ Eurostyle™ Fixed Mount PCB Terminal Block, 60A	1
39970-0106	Mexico	6 Circuit, 10.16mm (.400") Beau™ Eurostyle™ Fixed Mount PCB Terminal Block, 60A	1

### No Recommended Molex Tool for Part No. 76650-0180