Datasheet for 76650-0233

General Information	
Kit Part Number:	76650-0233
Connector Type:	Terminal Blocks
Solution:	Off the Board Terminal Block
Molex Family:	Beau® Eurostyle®, ESE , Eurostyle™ Barrier Strip
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A
Specifications	
Circuit Size:	2, 3, 4
Current Rating:	15A, 20A, 60A
Mounting Style:	PCB Header, PCB Through Hole, Screw Mounted, Vertical PCB Block
Pitch:	10.16mm (.400"), 11.1mm (.438"), 5.00mm (.197"), 5.08mm (.200"), 8.00mm (.315")
Rows:	Dual Row, Single Fixed (one-piece), Single Pluggable (two-piece)
Style/Mount:	Screw Mounted, Vertical PCB Block
Voltage Rating:	300V, 600V
Wire Gauge (AWG):	18-10, 20-14, 22-12, 26-12
Product Hightlights	

ESE terminal blocks provide economic benefits and enhance Molex's existing Eurostyle™ terminal block offering. 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. All Two-Screw terminal strips meet applicable industry standards and have a flammability rating of UL 94V-2. In addition, they are designed with wire protectors to prevent wire damage and to ensure a reliable connection. Pre-drilled mounting holes allow for quick and easy installation in the field. 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.

Features and Benefits
• Modular design allows larger blocks to be easily cut into smaller circuit sizes
• Contacts and screws are recessed in the housing to help prevent short circuits
• Rising cage clamp wire termination provides secure, reliable contact
• Multiple PCB terminals distribute power more evenly, reducing "hot spots"
• Extended wire funnel entry surrounds the wire insulator, eliminating exposed wire strands and possible shorting
• Fixed or pluggable product styles allow for maximum design flexibility
• Captive screws in all terminal blocks mean that screws will not back out of housing or mounting ends
• High temperature housing to withstand lengthy solder pre-heat conditions

Applications
• Power supplies
• Industrial Applications
• Motor controls
• HVAC equipment
• Lighting controls
• Security/fire alarm systems

- Measurement and Control Systems
- Elevators
- Spa controls
- Fuel cells
- Solar power
- Irrigation Systems
- Factory and Process Automation
- Traffic controls
- Audible/visual warning systems

Bill of Materials

Molex Part No.	Description	Quantity
39531-1002	2-Way 5.08mm (.200") ESE Vertical Header Terminal Block	3
39100-0804	4 Circuit, 8.00mm (.315") Eurostyle™ PCB, White Terminal Strip	3
39531-1004	4-Way 5.08mm (.200") ESE Vertical Header Terminal Block	3
39533-2003	3-Way 5.08mm (.200") ESE Vertical Plug Terminal Block	3
39544-3002	2 Circuit, Vertical Mount PCB Terminal Block	3
39970-0102	2 Circuit, 10.16mm (.400") Beau™ Eurostyle™ Fixed Mount, PCB Terminal Block, 60A	2
39970-0104	4 Circuit, 10.16mm (.400") Beau™ Eurostyle™ Fixed Mount, PCB Terminal Block, 60A	1
39544-3003	3 Circuit, Vertical Mount PCB Terminal Block	3
39531-1003	3-Way 5.08mm (.200") ESE Vertical Header Terminal Block	3
39533-2002	2-Way 5.08mm (.200") ESE Vertical Plug Terminal Block	3
39533-2004	4-Way 5.08mm (.200") ESE Vertical Plug Terminal Block	3
39544-3004	4 Circuit, Vertical Mount PCB Terminal Block	3
39970-0103	3 Circuit, 10.16mm (.400") Beau™Eurostyle™ Fixed Mount, PCB Terminal Block, 60A	1
39100-0803	3 Circuit, 8.00mm (.315") Eurostyle™ PCB, White Terminal Strip	3
38780-0102	11.1mm (.438") Pitch Beau™ Double Row Barrier Strip, 2 Circuits	2
38780-0103	11.1mm (.438") Pitch Beau™ Double Row Barrier Strip, 3 Circuits	1
38780-0104	11.1mm (.438") Pitch Beau™ Double Row Barrier Strip, 4 Circuits	1

Recommended Molex Tool

Molex Part No.	Descripition