1801 Morgan Street
Rockford, Illinois 61102
800-435-2931
www.molexkits.com

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Datasheet for 76650-0031

General Information

Part Number:	76650-0031
Manufacturer:	Molex / Waldom
Title:	Solderless Terminals
Description:	Assorted Non-Insulated and PVC Insulated Quick Disconnect, Ring, Spade and Butt Splice Terminals. Nylon Insulated Closed-End Terminals, with Universal Crimping Tool
Product Family:	Solderless Terminals
Certificates:	(Molex Parts within this kit) - EU RoHS Compliant and UL
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design Configuration:	(Wire-to-Wire) and (Wire-to-Board) / Solderless Terminals
Size(s):	.250", # 6 and # 10
Insulation:	PVC - (Except Nylon Closed-end)
Current Rating:	Per (Proper) Wire Specification
Voltage:	600 Volts
Wire size:	(22-18) and (16-14)

Product Highlights

Quick disconnects allow for quickly connecting or disconnecting a terminal. The front end of the terminal has a female-type receptacle which allows the terminal to slide onto and off of a male blade.
Spades have the open tongue end used for rapid insertion on the mounting screw. The spade is usually used on free standing studs.
Butt Splices allow two stripped wires to be inserted into each end and "butt" in the center, with the crimp securing both wires together.

Features and Benefits

- Terminals employ the full barrel length that eliminates costly and time consuming location when crimping
- Finest quality electrolytic copper
- One-piece design, butted seam
- The Spade's open tongue end is for rapid insertion on the mounting screw / stud
- The basic Ring Tongue type is the safest and most reliable because it cannot be disconnected unless the screw is completely removed.
- Block Spades are designed for use in terminal blocks

Applications

- MRO (Maintenance Repair and Operations)
- Consumer applications
- Power applications
- Motor applications
- Powertrains
- Transportation
- Construction / Mining
- Energy / Power
- Production Equipment
- Instrumentation
- Environmental Equipment and Controls
- Blower Motors

For additional Molex / Waldom Design and Solution kits please go to www.molexkits.com

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Bill of Materials for Part No. 76650-0031

Molex Part No.	Country of Origin	Description	Quantity in Kit
19017-0037	USA	Insulated .250” Female Quick Disconnects, 16-14 AWG	40
19023-0012	USA	Insulated .250” Male Quick Disconnects, 16-14 AWG	40
19054-0035	USA	Insulated #6 Ring Tongue Terminals, 22-18 AWG	40
19054-0039	USA	Insulated #10 Ring Tongue Terminals, 22-18 AWG	40
19054-0081	USA	Insulated #6 Ring Tongue Terminals, 16-14 AWG	40
19054-0113	USA	Insulated #10 Ring Tongue Terminals, 16-14 AWG	40
19119-0004	USA	Insulated #6 Flanged Block Spade Terminals, 22-18 AWG	40
19130-0044	USA	Insulated #6 Block Spade Terminals, 16-14 AWG	40
19130-0046	USA	Insulated #10 Block Spade Terminals, 16-14 AWG	40
19154-0004	USA	Insulated Butt Splice Connectors, 22-18 AWG	40
19154-0015	USA	Insulated Butt Splice Connectors, 16-14 AWG	40
19160-0002	USA	Insulated Nylon Closed-end Connectors, 16-14 AWG	40
CT-4071-1R^	Taiwan	Universal Hand Crimping Tool, 22-10 AWG	1

^ =Tool Provided by Waldom

Recommended Molex Tool(s) for Part No. 76650-0031*

Molex Part No.	Country of Origin	Description
64001-0100 *	USA	Hand Crimp Tool (RHT-1990)
64001-0200 *	USA	Hand Crimp Tool (RHT-1991)
64001-0300 *	USA	Hand Crimp Tool (RHT-1993)
64001-0600 *	USA	Hand Crimp Tool (RHT-7000)
64001-1400 *	USA	Hand Crimp Tool (RHT-2100)
64001-2000 *	USA	Hand Crimp Tool (RHT-5758)

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