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Datasheet for 76650-0039

General Information

Part Number:	76650-0039
Manufacturer:	Molex / Waldom
Title:	Solderless Terminal Kit
Description:	Assorted PVC Insulated Quick Disconnect, Ring, Spade and Butt Splice Terminals. Nylon Insulated Closed-End Solderless Terminals, With Universal Crimping Tool
Product Family:	Solderless Terminals
Certificates:	(Molex Parts within this kit) - EU RoHS Compliant, UL and CSA
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, # 10, 1/4" and 3/8"
Insulation:	PVC and Nylon
Current Rating:	Per (Proper) Wire Specification
Voltage:	Per (Proper) Wire Specification
Wire size:	(22-18), (22-14), (16-14) and (12-10)

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.

Closed-end connectors are used in a variety of situations to "pigtail" or tie together 2 or more wires.

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	Applications

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

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- Color-coded insulator allows easy identification of terminal size and wire gauge.
- A wire stop stamped into the crimp barrel prevents insertion of over-stripped wires.
- Terminal's funnel entrance is designed for increased crimping rates by speeding wire delivery into the crimp section and eliminating wire strand fold back.
- 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.

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Bill of Materials for Part No. 76650-0039

Molex Part No.	Country of Origin	Description	Quantity in Kit
19017-0037	USA	Insulated .250" Female Quick Disconnects, 16-14 AWG	10
19023-0012	USA	Insulated .250" Male Quick Disconnects, 16-14 AWG	10
19054-0035	USA	Insulated #6 Ring Tongue Terminals, 22-18 AWG	10
19054-0039	USA	Insulated #10 Ring Tongue Terminals, 22-18 AWG	10
19054-0081	USA	Insulated #6 Ring Tongue Terminals, 16-14 AWG	10
19054-0113	USA	Insulated #10 Ring Tongue Terminals, 16-14 AWG	10
19070-0123	USA	Insulated #10 Ring Tongue Terminals, 12-10 AWG	10
19119-0004	USA	Insulated #6 Flanged Block Spade Terminals, 22-18 AWG	10
19130-0044	USA	Insulated #6 Block Spade Terminals, 16-14 AWG	10
19130-0046	USA	Insulated #10 Block Spade Terminals, 16-14 AWG	10
19154-0004	USA	Insulated Butt Splice Connectors, 22-18 AWG	10
19160-0009	USA	Insulated Nylon Closed-end Connectors, 22-14 AWG	10
CT-4071-1R^	Taiwan	Universal Hand Crimping Tool, 22-10 AWG	1

^ =Tool Provided by Waldom

Recommended Molex Tool(s) for Part No. 76650-0039*

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)
64001-1500 *	USA	Hand Crimp Tool (RHT-2200)
64001-2000 *	USA	Hand Crimp Tool (RHT-5758)
64001-4700 *	USA	Hand Crimp Tool (RHT-2761-CC)

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

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