

## Datasheet for 76650-0040

### General Information

<b>Part Number:</b>	76650-0040
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Solderless Terminal Kit
<b>Description:</b>	Assorted PVC Insulated Quick Disconnect, Ring, Spade and Butt Splice Solderless Terminals, with Universal Crimping Tool
<b>Product Family:</b>	Solderless Terminals
<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) and (Wire-to-Board) / Solderless Terminals
<b>Size(s):</b>	.250", # 6, # 10 and 3/8"
<b>Insulation:</b>	PVC
<b>Current Rating:</b>	Per (Proper) Wire Specification
<b>Voltage:</b>	Per (Proper) Wire Specification
<b>Wire size:</b>	(22-18), (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.

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

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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.
- 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

**Datasheet for 76650-0040**

**Bill of Materials for Part No. 76650-0040**

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>	<b>Quantity in Kit</b>
19017-0037	USA	Insulated .250" Female Quick Disconnects, 16-14 AWG	10
19023-0012	USA	Insulated .250" Male Quick Disconnects, 16-14 AWG	10
19054-0081	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
19070-0153	USA	Insulated 3/8" Ring Tongue Terminals, 12-10 AWG	10
19142-0003	USA	Insulated #6 Spade Terminals, 22-18 AWG	10
19142-0029	USA	Insulated #6 Spade Terminals, 16-14 AWG	10
19142-0032	USA	Insulated #10 Spade Terminals, 16-14 AWG	10
19154-0004	USA	Insulated Butt Splice Connectors, 22-18 AWG	10
19154-0015	USA	Insulated Butt Splice Connectors, 16-14 AWG	10
19154-0028	USA	Insulated Butt Splice Connectors, 12-10 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. 76650-0040\***

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>
64001-0100 *	USA	Hand Crimp Tool (RHT-1990)
64001-0200 *	USA	Hand Crimp Tool (RHT-1991)
64001-0300 *	USA	Hand Crimp Tool (RHT-1993)
64001-1400 *	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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