

Datasheet for 76650-0040

General Information

| | |
|---------------------------|---|
| Part Number: | 76650-0040 |
| Manufacturer: | Molex / Waldom |
| Title: | Solderless Terminal Kit |
| Description: | Assorted PVC Insulated Quick Disconnect, Ring, Spade and Butt Splice 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 and 3/8" |
| Insulation: | PVC |
| Current Rating: | Per (Proper) Wire Specification |
| Voltage: | Per (Proper) Wire Specification |
| Wire size: | (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

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Bill of Materials for Part No. 76650-0040

| 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 |
| 19054-0081 | 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*

| 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) |
| 64001-1400 * | 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.