

## Datasheet for 76650-0040

### General Information

|                           |                                              |
|---------------------------|----------------------------------------------|
| <b>Kit Part Number:</b>   | 76650-0040                                   |
| <b>Connector Type:</b>    | Solderless Terminals                         |
| <b>Solution:</b>          | Maintenance, Repair and Operation Connectors |
| <b>Molex Family:</b>      | Solderless Terminals                         |
| <b>Certificates:</b>      | N/A                                          |
| <b>Country of Origin:</b> | Kit assembled in U.S.A                       |

### Specifications

|                          |                                         |
|--------------------------|-----------------------------------------|
| <b>Insulation:</b>       | PVC                                     |
| <b>Insulation Type:</b>  | PVC Insulated                           |
| <b>Mounting Style:</b>   | Non-Mounted                             |
| <b>Orientation:</b>      | Assorted Quick Disconnect Terminals     |
| <b>Product/Type:</b>     | Assorted Terminals                      |
| <b>Stud/Tab Size:</b>    | # 6, #10, .250" (6.35mm), 3/8" (9.52mm) |
| <b>Tool Included:</b>    | Yes                                     |
| <b>Wire Gauge (AWG):</b> | 12-10, 16-14 , 22-18                    |

### 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

- 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.
- Terminals funnel entrance is designed for increased crimping rates by speeding wire delivery into the crimp section and eliminating wire strand fold back.
- The spades 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.

#### Applications

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

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- Environmental Equipment and Controls
- Blower Motors

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#### Bill of Materials

| Molex Part No. | Description                                                          | Quantity |
|----------------|----------------------------------------------------------------------|----------|
| 19017-0037     | Insulated 6.35mm (.250") Female Quick Disconnect Terminal, 16-14 AWG | 10       |
| 19023-0012     | Insulated 6.35mm (.250") Male Quick Disconnect Terminal, 16-14 AWG   | 10       |
| 19054-0081     | Insulated #6 Ring Tongue Terminal, 16-14 AWG                         | 10       |
| 19054-0113     | Insulated #10 Ring Tongue Terminal, 16-14 AWG                        | 10       |
| 19070-0123     | Insulated #10 Ring Tongue Terminal, 12-10 AWG                        | 10       |
| 19070-0153     | Insulated 3/8" Ring Tongue Terminal, 12-10 AWG                       | 10       |
| 19142-0003     | Insulated #6 Spade Terminal, 22-18 AWG                               | 10       |
| 19142-0032     | Insulated #10 Spade Terminal, 16-14 AWG                              | 10       |
| 19154-0004     | Insulated Butt Splice Connector, 22-18 AWG                           | 10       |
| 19154-0015     | Insulated Butt Splice Connector, 16-14 AWG                           | 10       |
| 19154-0028     | Insulated Butt Splice Connector, 12-10 AWG                           | 10       |
| CT-4071-1R     | Universal Hand Crimping Tool, 22-10 AWG                              | 1        |
| 19142-0029     | Insulated #6 Spade Terminal, 16-14 AWG                               | 10       |

#### Recommended Molex Tool

| Molex Part No.                   | Description                         |
|----------------------------------|-------------------------------------|
| CT-4071-1R (included in kit)     | No Additional Information           |
| 64001-0100 (not included in kit) | <a href="#">Click for more info</a> |