1801 Morgan Street
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800-435-2931
www.molexkits.com

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the connector kit specialist

Datasheet for 76650-0043

General Information

Part Number:	76650-0043
Manufacturer:	Molex / Waldom
Title:	Solderless Terminal Kit
Description:	Assorted PVC Insulated Quick Disconnect, Ring, Spade, Butt Splice and Multi-Lock Terminals. Nylon Fully Insulated Quick Disconnect and Nylon Closed-End Terminals, with Crimp 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.

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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.
- 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.

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

Bill of Materials for Part No. 76650-0043

Molex Part No.	Country of Origin	Description	Quantity in Kit
19004-0005	USA	Fully Insulated .250” Male Quick Disconnects, 16-14 AWG	25
19005-0005	USA	Fully Insulated .250” Female Quick Disconnects, 16-14 AWG	25
19017-0037	USA	Insulated .250” Female Quick Disconnects, 16-14 AWG	25
19023-0012	USA	Insulated .250” Male Quick Disconnects, 16-14 AWG	25
19054-0033	USA	Insulated #6 Ring Tongue Terminals, 22-18 AWG	25
19054-0081	USA	Insulated #6 Ring Tongue Terminals, 16-14 AWG	25
19054-0086	USA	Insulated 1/4” Ring Tongue Terminals, 16-14 AWG	25
19054-0113	USA	Insulated #10 Ring Tongue Terminals, 16-14 AWG	25
19070-0123	USA	Insulated #10 Ring Tongue Terminals, 12-10 AWG	25
19070-0153	USA	Insulated 3/8” Ring Tongue Terminals, 12-10 AWG	25
19142-0003	USA	Insulated #6 Spade Terminals, 22-18 AWG	25
19142-0029	USA	Insulated #6 Spade Terminals, 16-14 AWG	25
19142-0032	USA	Insulated #10 Spade Terminals, 16-14 AWG	25
19144-0042	USA	Insulated #10 Spade Terminals, 12-10 AWG	25
19154-0004	USA	Insulated Butt Splice Connectors, 22-18 AWG	25
19154-0015	USA	Insulated Butt Splice Connectors, 16-14 AWG	25
19154-0028	USA	Insulated Butt Splice Connectors, 12-10 AWG	25
19160-0002	USA	Insulated Closed-end Splice Connectors, 16-10 AWG	25
19160-0012	USA	Insulated Closed-end Splice Connectors, 22-14 AWG	25
19216-0003	USA	Insulated Multi-Lock Connectors, 16-14 AWG	15

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CT-4071-1R^	Taiwan	Universal Hand Crimping Tool, 22-10 AWG	1

^ =Tool Provided by Waldom

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Recommended Molex Tool(s) for Part No. 76650-0043*

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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