

INTRODUCTION

Molex's new Multi Terminal Connector (MTC) series provides some innovative new features to standard terminal block connections. As opposed to traditional screw-termination methods, the MTC series enables wires to be attached via crimp housings or a unique spring-clamp receptacle. These two-piece system methods provide secure contact retention and protection against wires getting accidentally pulled out.

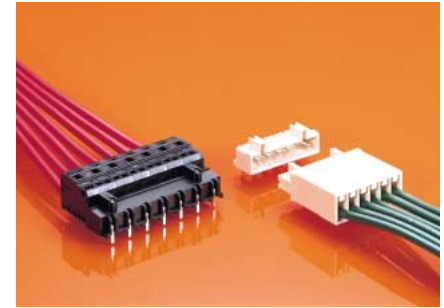
The MTC system includes headers and receptacles in 5.00mm (.197") and 7.50mm (.295") pitch versions for design flexibility. Three different color options are also provided as visual polarization guides.



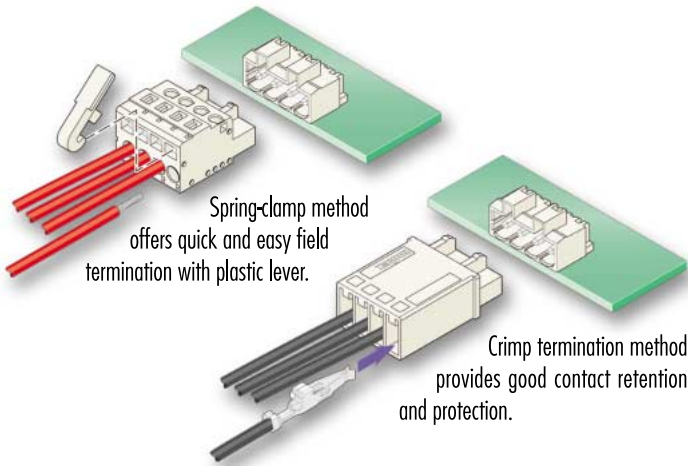
MTC (Multi Terminal Connector) Wire-to-Board Terminal Block System

Specifications:

- Circuit Size: 3-6/3-12 (5.00/7.50mm pitch)
- Voltage: 250V/400V (5.00/7.50mm pitch)
- Current: 3A-16A
- AWG: 14-26
- Housing/Header Colors: Ivory, Black, Gray
- Contact Resistance: 3mΩ max.
- Insulation Resistance: 1000 MΩ min.
- Operating Temperature: -30 to +85°C
- Approvals: TUV/UL/CSA/DIN VDE



FEATURES AND BENEFITS



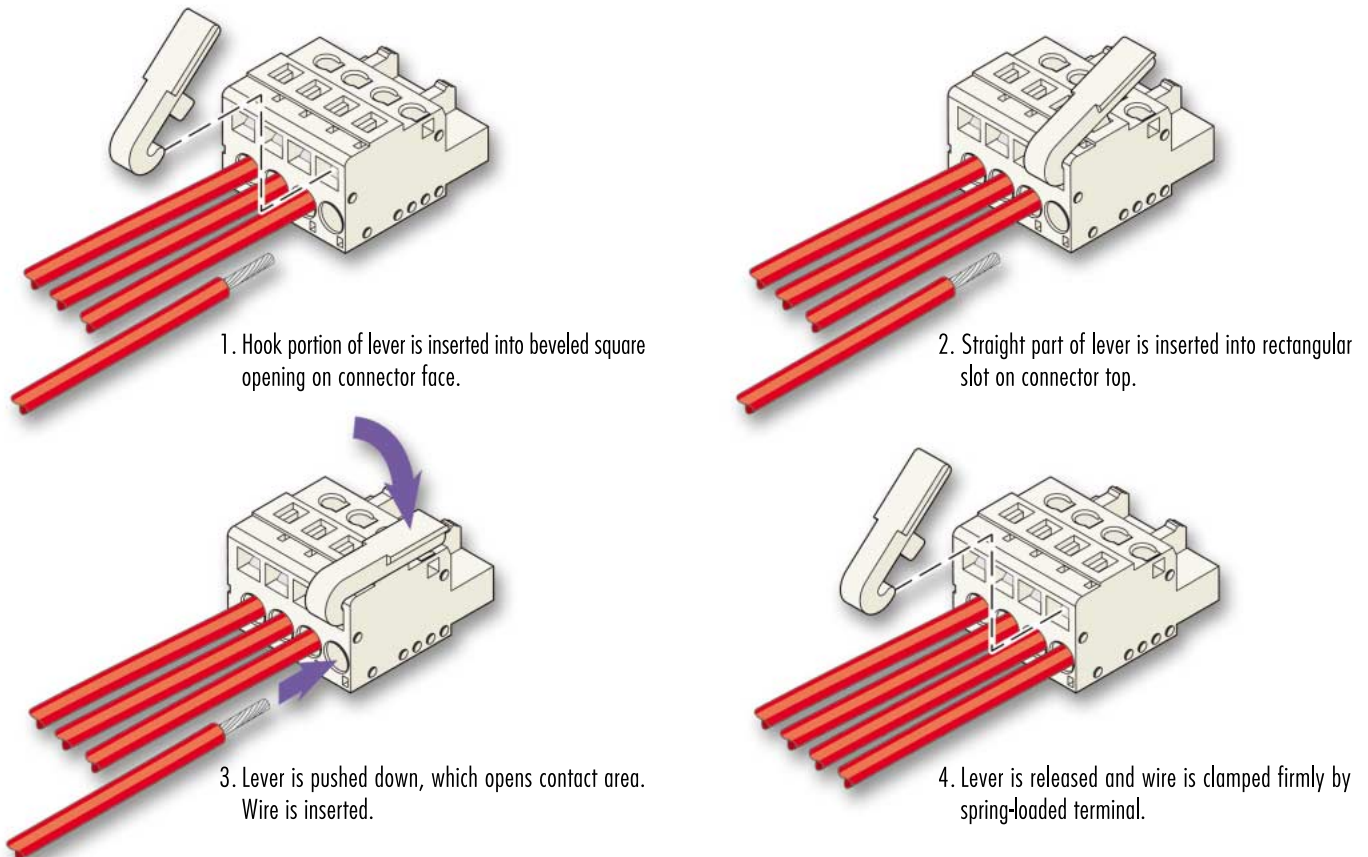
APPLICATIONS

- Servo Drivers
- Servo Amplifiers
- Automation Controllers
- PLC
- FA Computers
- FA Terminals
- FA Monitors
- Invertors
- Chip Mounters
- Molding Machines
- EDM Machines

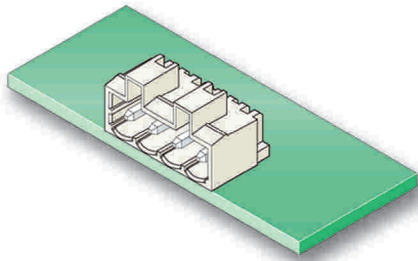


[Servo Pack: Courtesy of Yaskawa Electric]

HOW THE SPRING-CLAMP TERMINATION METHOD WORKS



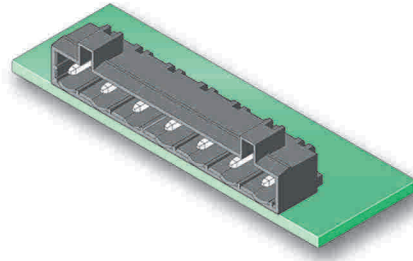
See other side for ordering details



5.00mm (.197") Pitch Right Angle Header

Order Number	Circuit Size	Packaging
55757-XX1*	03 to 06	Tray

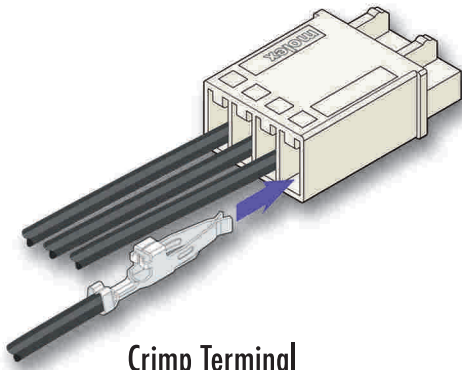
XX=Circuit Size: 03 to 06
*=Color: 0=Ivory; 1=Black; 5=Gray



7.50mm (.295") Pitch Right Angle Header

Order Number	Circuit Size	Packaging
55759-XX1*	03 to 12	Tray

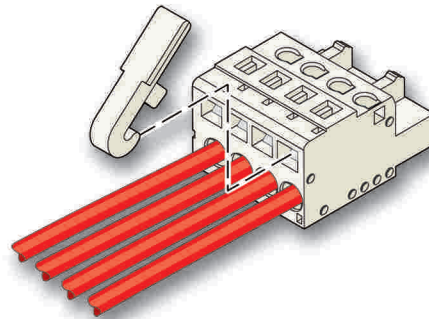
XX=Circuit Size: 03 to 12
*=Color: 0=Ivory; 1=Black; 5=Gray



Crimp Terminal

Order Number	Packaging
56125-0018	Reel
56125-0118	Loose

Note: For 51240 housing, use AWG #16-18 and Ø3.4 max. insulation diameter
For 51241 housing, use AWG #14-18 and Ø3.8 max. insulation diameter



Spring Type Receptacle

Order Number	Pitch Size	Circuit Size	Packaging
54927-XX1*	5.00mm (.197")	03 to 06	Tray
54928-XX1*	7.50mm (.295")	03 to 12	Tray

XX=Circuit Size: 03 to 06 for 54927; 03 to 12 for 54928
*=Color: 0=Ivory; 1=Black; 5=Gray

Crimp Housing

Order Number	Pitch Size	Circuit Size	Packaging
51240-XX0*	5.00mm (.197")	03 to 06	Tray
51241-XX0*	7.50mm (.295")	03 to 12	Tray

XX=Circuit Size: 03 to 06 for 51240; 03 to 12 for 51241
*=Color: 0=Ivory; 1=Black; 5=Gray

Plastic Lever

Order Number	Packaging	Color
54932-0000	Bag	Ivory

See www.molex.com for drawings and details



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American Headquarters
2222 Wellington Ct,
Lisle, Illinois 60532 USA
Tel: 1-800-78MOLEX
amerinfo@molex.com

Far East North Headquarters
Yamato, Kanagawa, Japan
Tel: 81-462-65-2324
feninfo@molex.com

Far East South Headquarters
Jurong, Singapore
Tel: 65-6-268-6868
fesinfo@molex.com

European Headquarters
Munich, Germany
Tel: 49-89-413092-0
euroinfo@molex.com

Corporate Headquarters
2222 Wellington Ct,
Lisle, Illinois 60532 USA
Tel: 630-969-4550