

High-Current, Universal-Clamp Terminal Blocks

molex

DIN-rail or panel-mountable High-Current Universal-Clamp Terminal Blocks offer a versatile solution for high-current and voltage applications requiring aluminum-to-aluminum, copper-to-copper or aluminum-to-copper terminations

Features and Benefits



Hex Screws

Provide optimal secureness to stranded wire

Partition wall on cover

The wall provides a barrier between the conductors to prevent oxidation

Tin coated Aluminum contacts

Can be terminated to either Aluminum or Copper wire

Polyamide housing and cover

Suitable for -40 to +105°C operating temperatures

Compound coating

A grease is applied to the insides of the contacts to act as an oxidation inhibitor to extend shelf-life

Single and Three Pole Versions Available

Multiple colors available for Single Pole Versions

Standard color is grey. Similar models are available with different color covers for ease of identification

Three Pole Version

Ideal for 3-phase power applications

DIN-rail or through-hole mountable

Flexible mounting to match chassis design



Single pole models available in the following max. amperage (per UL)

MX-KE61: 150A
MX-KE62: 230A
MX-KE63: 285A
MX-KE64: 380A

Three pole model max. amperage

MX-KE61.03: 150A

High-Current, Universal-Clamp Terminal Blocks

molex[®]

600V (per UL), Single Pole Tapping Blocks Available

Double housing and cover design

Single contact with four terminations

Intended for power feed applications

High temp Polyamide housing and cover

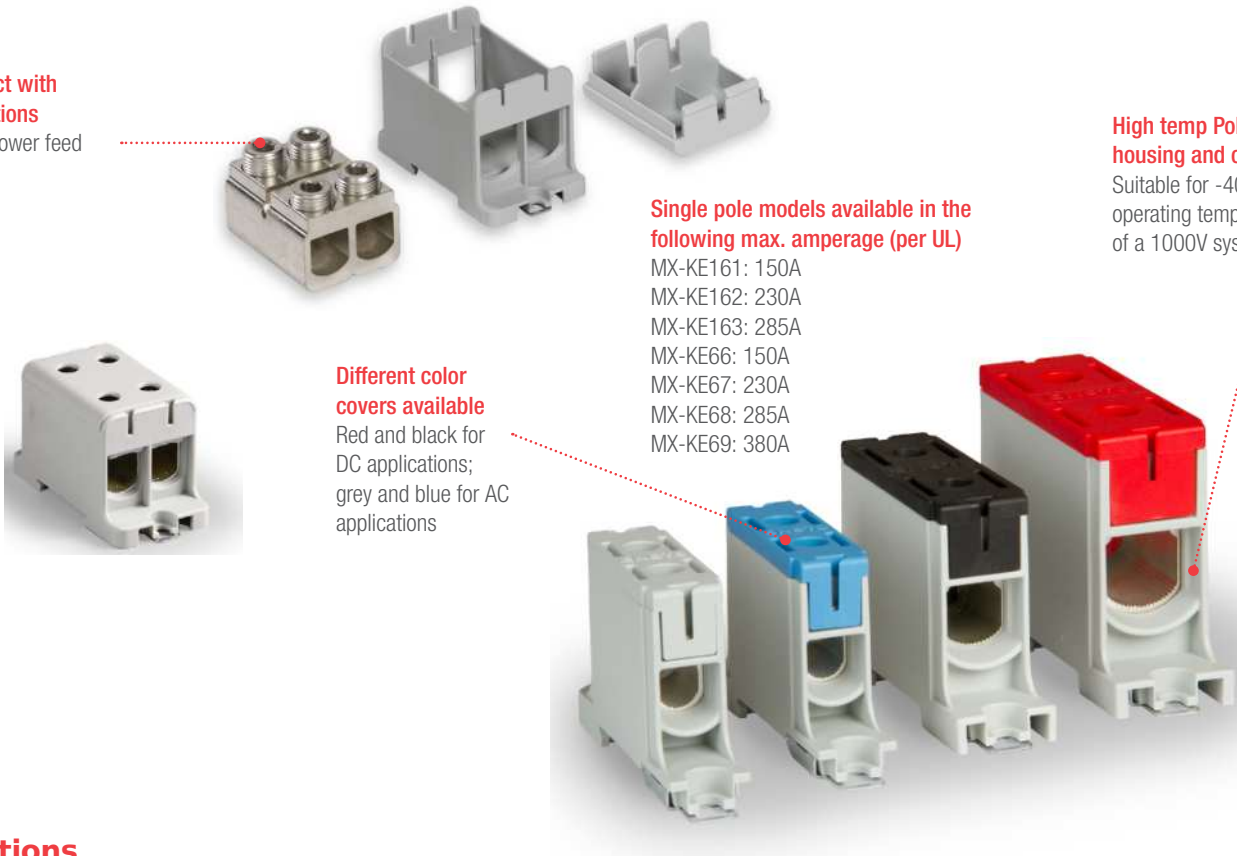
Suitable for -40 to +125°C operating temperatures of a 1000V system

Single pole models available in the following max. amperage (per UL)

MX-KE161: 150A
MX-KE162: 230A
MX-KE163: 285A
MX-KE66: 150A
MX-KE67: 230A
MX-KE68: 285A
MX-KE69: 380A

Different color covers available

Red and black for DC applications; grey and blue for AC applications



Applications

Motor inverters
Motor drives
Motor control systems
Switchgears
Power distribution panels and cabinets
Vehicle charging stations
Commercial vehicles
Electric trains
Photovoltaic (solar) systems



Commercial Vehicles



Motor Drive



Photovoltaic Systems

Specifications

REFERENCE INFORMATION

Certification Marks: UL, CE
Design Standards: UL: 1059
IEC: EN60947-7-1:2009; EN61238-1:2003
Designed In: Millimeters
RoHS: Yes
Halogen Free: Yes
Glow Wire Compliant: Yes

TECHNICAL INFORMATION

Maximum Voltage (UL): 600 or 1000
Amperage Range (UL): 120 to 380
Wire Range: 500 MCM to 6 AWG

PHYSICAL INFORMATION

Housing: Polyamide
Body and Screws: Tin-coated aluminum

MECHANICAL FEATURES

Recommended Tightening Torque: 10Nm – 40Nm
(90 in/lbs to 360 in/lbs)
Screw Head: Hexagonal
Mounting: Screws or DIN rail
Plating: Tin
Operating Temperature: -40 to +125°C
DIN-rail Size: 35mm

High-Current, Universal-Clamp Terminal Blocks



Ordering Information

One pole terminal blocks

Molex Part Number	Engineering Number*	Wire Type	Wire Gauge (AWG)	Maximum Voltage	Maximum Amperage	Tightening Torque in In/Lbs
2016060610	MX-KE61	Cu	1/0 to 6	600	150	90 (10Nm)
		Al			120	
2016060620	MX-KE62	Cu	4/0 to 4	600	230	126 (14Nm)
		Al			180	
2016060630	MX-KE63	Cu	300 MCM to 2	600	285	216 (24Nm)
		Al			230	
2016060640	MX-KE64	Cu	500 MCM to 3/0	600	380	360 (40Nm)
		Al			310	

Tapping terminal blocks (Single pole, four connections)

Molex Part Number	Engineering Number*	Wire Type	Wire Gauge (AWG)	Maximum Voltage	Maximum Amperage	Tightening Torque in In/Lbs
2016060660	MX-KE66	Cu	1/0 to 6	600	150	90 (10Nm)
		Al			120	
2016060670	MX-KE67	Cu	4/0 to 4	600	230	126 (14Nm)
		Al			180	
2016060680	MX-KE68	Cu	300 MCM to 2	600	285	216 (24Nm)
		Al			230	
2016060690	MX-KE69	Cu	500 MCM to 3/0	600	380	360 (40Nm)
		Al			310	

One pole terminal blocks, 1000V rated

Molex Part Number	Engineering Number*	Wire Type	Wire Gauge (AWG)	Maximum Voltage	Maximum Amperage	Tightening Torque in In/Lbs
2016061610	MX-KE161	Cu	1/0 to 6	1000	150	90 (10Nm)
		Al			120	
2016061620	MX-KE162	Cu	4/0 to 4	1000	230	126 (14Nm)
		Al			180	
2016061630	MX-KE163	Cu	300 MCM to 2	1000	285	216 (24Nm)
		Al			230	

*Standard color is grey. For optional colors, replace the last digit of Molex part number (zero) with: 2 (blue) or 3 (yellow/green).

Three pole terminal blocks

Molex Part Number	Engineering Number	Wire Type	Wire Gauge (AWG)	Maximum Voltage	Maximum Amperage	Tightening Torque in In/Lbs
2016066163	MX-KE61.03	Cu	1/0 – 6	600	150	90 (10Nm)
		Al			120	

www.molex.com/link/hcucterminalblocks.html

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners.