

MAGNET WIRE PRODUCTS GLOBAL SOLUTIONS

Quick Reference Guide

MAG-MATE

MAG-MATE terminals are insulation displacement connection (IDC) terminals for magnet wire (copper and aluminum) terminations. They are available as poke-in, poke-in tab, splice, crimp wire barrel, solder post, quick connect tab, Multispring, pin and receptacle styles.

SIAMEZE

SIAMEZE terminals are insulation displacement connection (IDC) terminals for interconnecting copper magnet wires, lead wires and other components. They are available as wire-to-wire, Lead Lok, quick disconnect tabs, posts, pin, and receptacle terminals.

AMPLIVAR

AMPLIVAR terminals and splices are crimp terminals specially designed to terminate magnet wires (both copper and aluminum), in combination with solid or stranded lead wire. They have machined, sharp-edged serrations inside their crimp barrels.

CLUSTER BLOCKS

Cluster blocks are fully insulated, one-piece housing connectors that allow quick electrical connection of sealed hermetic header pins on compressors. These connectors accept pins from one side, so reversing the polarity is prevented.

Magnet Wire Terminations

Quick Reference Guide

SELECTION CRITERIA

Copper Wire*

| AWG / mm ² | Mini MAG-MATE | MAG-MATE | SIAMEZE | CMA [mm ²] | AMPLIVAR |
|------------------------|---------------|----------|---------|--------------------------|----------|
| 52-30 / 0.0254 - 0.198 | ✓ | - | - | 100-22000 [0.05-9.45] | ✓ |
| 34-12 / 0.160 - 2.05 | - | ✓ | ✓ | | |

Aluminum Wire*

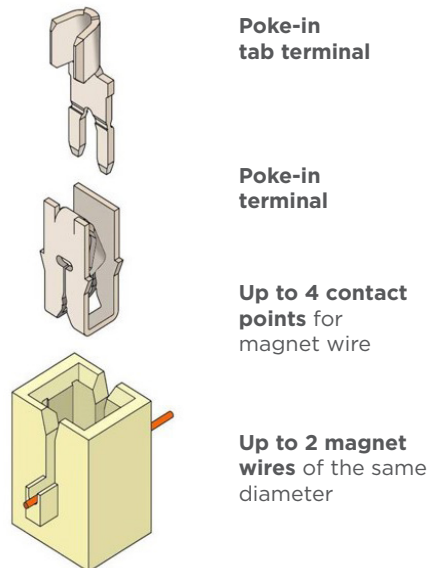
| AWG / mm ² | Mini MAG-MATE | MAG-MATE | SIAMEZE | CMA [mm ²] | AMPLIVAR |
|-----------------------|---------------|----------|---------|--------------------------|----------|
| 0.18 - 1.54mm | - | ✓ | ✓ | 400-22000 [0.26-9.45] | ✓ |

Typical Available Interface*

| Interface | Mini MAG-MATE | MAG-MATE | SIAMEZE | AMPLIVAR |
|-----------------------|---------------|----------|---------|----------|
| RAST 2.5 - RAST 5 | - | ✓ | - | - |
| FASTON | ✓ | ✓ | ✓ | ✓ |
| MATE-N-LOK | - | ✓ | ✓ | - |
| PCB | ✓ | ✓ | ✓ | - |
| press-fit / soldering | ✓ | ✓ | ✓ | - |
| Lead wire | ✓ | ✓ | ✓ | ✓ |
| Ring tongue | - | - | - | ✓ |

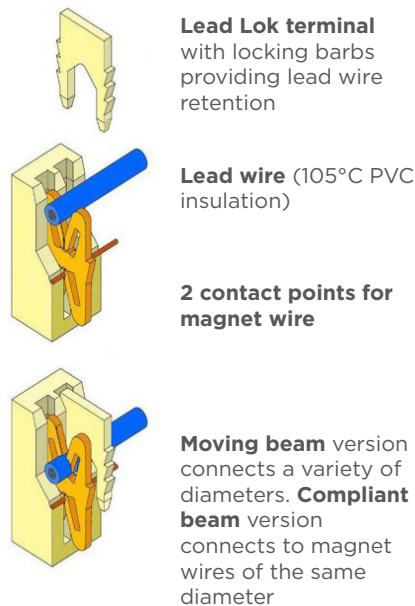
(*) For detailed / customized configurations, please contact TE engineering

MAG-MATE

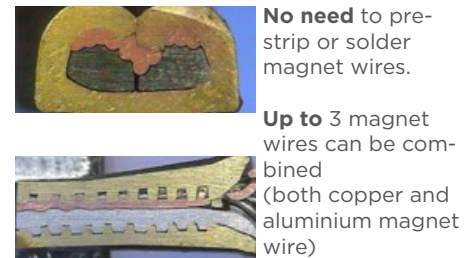


Cavities are either integrated into coil bodies or especially designed cavity housings

SIAMEZE



AMPLIVAR



Cluster Blocks



Magnet Wire Terminations

Quick Reference Guide

APPLICATION NAVIGATOR

| Product Family |  MAG-MATE |  SIAMEZE |  AMPLIVAR |  Cluster Blocks |
|----------------------------------|--|---|---|--|
| Dishwasher Motor | ✓ | ✓ | ✓ | |
| Refrigerator Air Moving Fan | ✓ | ✓ | ✓ | |
| Oven Door Latch Actuator | ✓ | ✓ | ✓ | |
| Oscillating / Box / Ceiling Fans | ✓ | ✓ | ✓ | |
| Hair Trimmers | ✓ | ✓ | ✓ | |
| Vacuum Cleaner | ✓ | ✓ | ✓ | |
| Compressor Fan Motors | ✓ | ✓ | ✓ | |
| Refrigeration - Compressors | | | ✓ | ✓ |
| Washing Machine Motor | ✓ | | | |
| Heating Circulating Pumps | ✓ | | | |
| Microwave Oven Magnetron | | ✓ | | |
| Small Water Pumps (Fish Tank) | | ✓ | | |
| C-Frame Motors – Air Moving Fans | ✓ | | | |
| Power Tools - Saws, Drills, etc | ✓ | | | |
| Cruise Control Units | ✓ | | ✓ | |
| Anti-Lock Brake Units | ✓ | | ✓ | |
| Ignition Coil – Coil on Plug | ✓ | | ✓ | |
| Ignition Coil – Coil Pack | ✓ | | ✓ | |
| Air Conditioner | ✓ | | ✓ | |
| EGR Valve | ✓ | | ✓ | |
| Air Management Valves | ✓ | | ✓ | |
| Transmission Control Unit | ✓ | | ✓ | |
| Fuel Pumps | ✓ | | ✓ | |

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1-1773908-1 01/17 Original