



# 200 BOX MAG-MATE TERMINALS

## INSULATION DISPLACEMENT CONTACT (IDC) MAGNET WIRE TERMINALS FOR COMPACT MOTOR SYSTEMS

TE Connectivity developed the 200 box MAG-MATE terminals to help electric motor manufacturers design more compact motor systems. These terminals take up to 30% less volume than 300 box MAG-MATE terminals and are compatible with a wide range of copper and aluminum magnet wire sizes. They feature insulation displacement contact (IDC) technology to create a reliable, gas-tight contact that can be assembled efficiently and cost-effectively using automated tooling.

### ELECTRICAL

- Rated Voltage: Based on customer application
- Rated Current: Based on wire range
- Wire Sizes (AWG)
  - Copper wire: 30-21
  - Aluminum wire: 26-20

### MATERIALS

- Base: Brass
- Plating: Tin

### FEATURES

- Space-saving design suited for compact motor systems
- Compatible with 30-21AWG copper and 26-20AWG aluminum magnet wire
- IDC magnet wire contact creates a reliable, cost-effective and efficient connection

### ADDITIONAL RESOURCES

- Product Specification: [108-2012](#)
- Application Specifications
  - Magnet Wire IDC Terminals: [114-160157](#)
  - Lead Wire Poke-In Terminals: [114-2050](#)
- [MAG-MATE Terminals Product Page](#)

### APPLICATIONS



Air conditioner  
fan motor



Seat adjustment  
motor



Small power  
motors

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### MAGNET WIRE TERMINALS

Wire Type	Wire Size (AWG)	Part Number
Copper	30-27	<a href="#">2238249-1</a>
Aluminum	26-25	
Copper	27-24	<a href="#">2401610-1</a>
Aluminum	25-23	
Copper	25-22	<a href="#">2401612-1</a>
Aluminum	23-21	
Copper	22-21	<a href="#">2399687-1</a>
Aluminum	21-20	

### LEAD WIRE TERMINALS

Contact Type	Wire Size (AWG)	Part Number
Right Flag Tab	26-22	<a href="#">2398997-1</a>
Left Flag Tab	26-22	<a href="#">2398997-2</a>
Straight Tab	22-18	<a href="#">2403091-1</a>

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