



NEW SIAMEZE TERMINALS FOR ALUMINUM WIRE

PRODUCT DESCRIPTION

Is space at a premium in your motor design? Our SIAMEZE terminals offer a space-saving design solution (terminal height of 7.62mm or 0.3in) that is ideal for use in compact motor designs.

SIAMEZE terminals are insulation displacement connection (IDC) terminals for use in the termination of magnet wires. The innovative use of IDC technology to terminate magnet wires, allows for significant applied costs savings by eliminating the need for welding/and or soldering in the termination process.

The design of SIAMEZE terminals produces residual spring energy providing the necessary normal force needed to enable a quality metal to metal interface, producing a clean, stable and gas-tight electrical connection. Available in wire-to-wire, wire-to-blade, PCB post and tab configurations that offer flexible design options. In addition, the unique terminal design includes 4 burrs that penetrate the wire insulation, eliminating the need to strip the film insulation from the magnet wire and lead wires, saving time and labor costs.

The introduction of these newest terminals to the SIAMEZE terminal product offering now allows for termination of aluminum magnet wires, enabling customers with the flexibility to use aluminum instead of copper magnet wire in their motor designs, which can provide significant material cost savings.

INDUSTRIES

MOTORS, FANS, SOLENOIDS, TRANSFORMERS, COILS, ACTUATORS, BALLAST POWER SUPPLIES FOUND WITHIN:

- Small Domestic Applications
- Major Home Appliances
- Automotive
- Motorcycles
- HVAC
- Industrial Machinery and Automation

TECHNICAL DETAILS

- **Material:** Brass
- **Product Specification:** [108-2085](#)
- **Application Specification:** [114-13166](#)
- **Temperature Rating:** -40°C to 125°C (-40°F to 257°F)

KEY FEATURES AND BENEFITS

- Eliminates the need for welding and/or soldering processes improving operating efficiency
- No pre-stripping of wires needed saving time and labor costs
- Compact space-saving size provides an ideal solution for small motor designs
- Available in various configurations that offer flexible design options

PART DETAILS

Part Number	Description	Aluminum Wire Size (mm)	Mating Type	Cavity Size
2322343-2	WIRE-TO-WIRE, STD, SMZ FOR AL WIRE	0.45 - 1	0.3 - 0.8mm ²	1601421
2348500-2	WIRE-TO-BLADE SMZ TERMINAL FOR AL WIRE	0.45 - 1	0.5mm Thickness Tab	1601426
2348501-2	STD RANGE WIRE-TO-PCB TAB SMZ TERMINAL	0.45 - 1	Soldering with PCB	1601424
2348504-2	STD RANGE WIRE TO 0.250 X .032 TAB SMZ	0.45 - 1	250 FASTON Receptacle	1601425

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