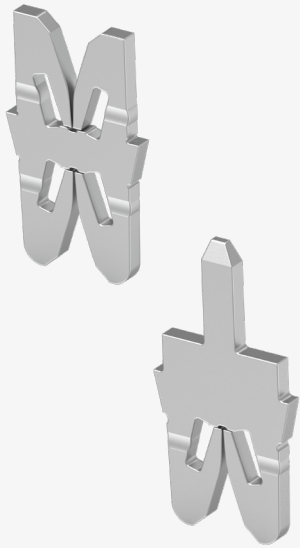




SIAMEZE TERMINALS FOR ALUMINUM WIRE

Is space at a premium in your motor design? Our SIAMEZE terminals offer a space-saving design solution (terminal height of 7.62 mm or 0.3 in) that is excellent 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, helps to allow 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, helping to eliminate the need to strip the film insulation from the magnet wire and lead wires, saving time and labor costs.

The introduction of these 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

TECHNICAL DETAILS

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

FEATURES

- Helps to eliminate 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

APPLICATIONS



Small Domestic
Applications



Major Home
Appliances



Automotive



Motorcycles



HVAC



Industrial Machinery
and Automation

SIAMEZE TERMINALS FOR ALUMINUM WIRE

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

Connect With Us

We make it easy to connect with our experts and are ready to provide all the support you need.

Visit te.com/support to chat with a Product Information Specialist.

te.com/siameze-terminals

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