

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, pokein 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.

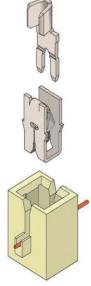
SELECTION CRITERIA

Copper Wire*

-					
AWG / mm ²	Mini MAG-MATE	MAG-MATE	SIAMEZE	CMA [mm ²]	AMPLIVAR
52-30 / 0.0254 - 0.198	\checkmark	-	-	100-22000 [0.05-9.45]	\checkmark
34-12 / 0.160 - 2.05	-	\checkmark	\checkmark		
Aluminum Wire*					
AWG / mm ²	Mini MAG-MATE	MAG-MATE	SIAMEZE	CMA [mm ²]	AMPLIVAR
0.18 - 1.54mm	-	\checkmark	\checkmark	400-22000 [0.26-9.45]	\checkmark
Typical Available I	nterface*				
Interface		Mini MAG-MATE	MAG-MATE	SIAMEZE	AMPLIVAR
RAST 2.5 - RAST 5		-	\checkmark	-	-
FASTON		\checkmark	\checkmark	\checkmark	\checkmark
MATE-N-LOK		-	\checkmark	\checkmark	-
PCB		\checkmark	\checkmark	✓	-
press-fit / soldering		\checkmark	\checkmark	✓	-
Lead wire		\checkmark	\checkmark	\checkmark	\checkmark
Ring tongue		-	-	-	\checkmark

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

MAG-MATE



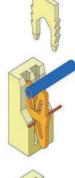
Poke-in tab terminal

Poke-in terminal

Up to 4 contact points for magnet wire

Up to 2 magnet wires of the same diameter

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





SIAMEZE



2 contact points for magnet wire

Lead Lok terminal

with locking barbs

providing lead wire

Lead wire (105°C PVC

retention

Moving beam version connects a variety of diameters. Compliant

AMPLIVAR



No need to prestrip or solder magnet wires.

Up to 3 magnet wires can be combined (both copper and aluminium magnet wire)

Cluster Blocks



Receptacles connect wire to hermetic pin header. Receptacles for lead wire or magnet wire. Impervious to refrigerants or available in GWT.

APPLIANCES /// MAGNET WIRE TERMINATIONS QUICK REFERENCE GUIDE