

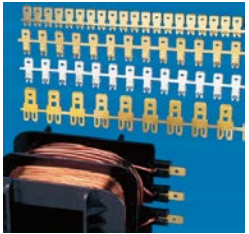


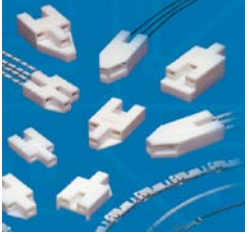
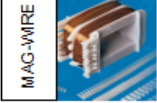

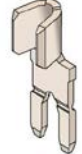

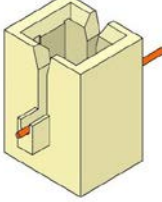
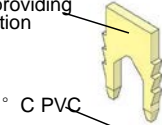
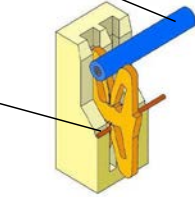
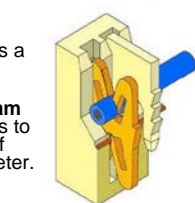
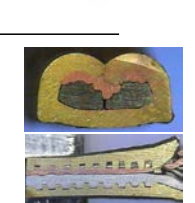





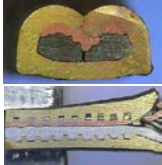



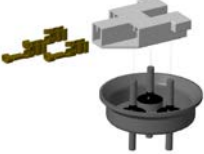

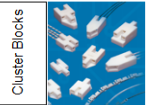

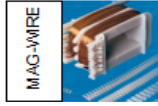



Product Family		Description	Selection criteria					
MAG-MATE		<p>MAG-MATE terminals are insulation displacement connection (IDC) terminals for magnet wire (copper and aluminum) terminations. They are available as poke-in, poke-in tab, splice, crimp wire barrel, solder post, quick connect tab, multispring, pin and receptacle styles.</p>	Wire type (*)					
			Copper Wire					
			AWG / mm	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	-	✓	✓		
SIAMEZE		<p>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.</p>	Aluminum Wire					
								
			AWG / mm	Mini MAG-MATE	MAG-MATE	SIAMEZE	CMA [mm ²]	AMPLIVAR
			28-14.5 / 0.322 - 1.54	-	✓	-	400-22000 [0.26-9.45]	✓
AMPLIVAR		<p>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.</p>	Typ available interface (*)					
			Interface	Mini MAG-MATE	MAG-MATE	SIAMEZE	AMPLIVAR	
			RAST 2.5 - RAST 5	-	✓	-	-	
			FASTON	✓	✓	✓	✓	
			MATE-N-LOK	-	✓	✓	-	
			gen. PCB	✓	✓	✓	-	
			press-fit / soldering	✓	✓	✓	-	
			Lead wire	✓	✓	✓	✓	
			Ring tongue	-	-	-	✓	
Cluster Blocks		<p>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.</p>						

(*) for detailed / customized configurations, pls contact TE Engineering



 <p>Typ. Termination</p>	 <p>Most typ. used PNs / Products Line</p>	<p>Typ. Application / Typ. Products Line (*)</p>
 <p>Poke-In Tab Terminal</p>  <p>Poke-In Terminal</p> <p>4 contact points to magnet wire</p>  <p>Up to two Magnet Wires of same diameter</p> <p>Cavities are either integrated into coil bodies or especially designed cavity housings.</p>  <p>Lead Lok Terminal with locking barbs providing lead wire retention</p>  <p>Lead wire (105° C PVC insulation)</p>  <p>Magnet Wire with 2 contact points</p>  <p>Moving Beam version contacts a variety of diameters. Compliant Beam version contacts to magnet wires of the same diameter.</p>	<p>300 Box Poke-In: PN 63658-1 PN 62833-1 PN 62420-1 PN 62935-1</p>  <p>187 Box Poke-In FASTON: PN 316300-4 PN 316300-6</p>	<p>Dishwasher motor Refrigerator air moving fan Oven door latch actuator Oscillating/box/ceiling fans Hair trimmers Vacuum Cleaner Compressor fan motors</p>  <p>Refrigeration - compressors</p>  
 <p>No need to pre-strip or solder.</p> <p>Up to 3 magnet wires can be combined (both Copper and Aluminium magnet wire)</p> 	<p>Moving beam: PN 1601000-1</p> <p>Wire Specific: PN 1601056-1</p> <p>High Carry: PN 1601046-2</p> <p>Wire2Blade: PN 1601075-1</p> <p>Post Terminal with PC tab: PN 1601009-4</p> 	<p>Washing machine motor Heating circulating pumps</p> 
 <p>Receptacles connect wire to Hermetic Pin Header. Receptacles for Lead wire or Magnet Wire. Impervious to Refrigerants or available in GWT.</p> 	<p>600-3000 CMA: PN 62304-2/ 62305-2</p> <p>1500-5000 CMA: PN 62306-2</p> <p>3000-7000 CMA: PN 62308-2</p> <p>7000-14000 CMA: PN 62310-2</p>  <p>.090 Pin Size: PN 171370-3 .090 Pin Receptacle: PN 170063-2 .090 Pin Receptacle AMPLIVAR PN 353937-1</p> <p>.125 Pin Size: PN 360051-1 .125 Pin Receptacle: PN 316292-1 .125 Pin Receptacle AMPLIVAR: PN 63453-1/ 63454-1</p> 	<p>Microwave oven magnetron Small water pumps (fish tank)</p> <p>C-frame motors - air moving fans Power tools - saws, drills, etc</p> 
	<p>.090 Pin Size Economy Cluster Blocks (PN 2825082-1 /-2, Pin Receptacle PN 2825083-1)</p> <p>Low contact insertion force permits easy assembly (134 N max). High contact retention force helps assure connection continuity (80 N min.). Product design is compatible with automated assembly processes. Choice of housings includes model complying with GWT and UL 94 V-0 for use outside of compressors.</p>	<p>Automotive</p> <p>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</p>  

(*) these are recommendations; for detailed / customized configurations, pls contact TE Engineering