

**Technical Information**

**Super Coil  
Series 5/8" I.D.**

**CV**

Check Valves

**SH**

Shuttle Valves

**LM**

Load/Motor Controls

**FC**

Flow Controls

**PC**

Pressure Controls

**LE**

Logic Elements

**DC**

Directional Controls

**MV**

Manual Valves

**SV**

Solenoid Valves

**PV**

Proportional Valves

**CE**

Coils & Electronics

**BC**

Bodies & Cavities

**TD**

Technical Data

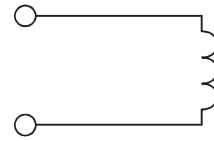
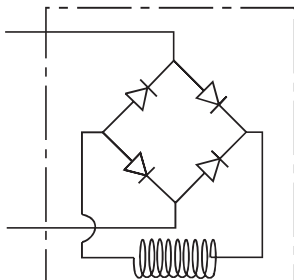
**Features**

- Integral Deutsch connector coil exceeds IP69K standards
- Integral Deutsch connector coil thermal shock dunk test rated
- Integral Amp Jr. coil exceeds IP67 standards for thermal shock, water resistance and "dunk capability"
- Universal 50/60 Hz operation
- Coil hermetically sealed, requires no O-rings or waterproofing kits
- External plated steel flux-carrying band (unlike encapsulated band) enables coil to withstand severe thermal shocks without cracking
- Symmetrical coil can be reversed without affecting performance

**Specifications**

<b>Coil Type</b>	<b>S</b> Standard <b>P</b> Puissant
<b>Nominal Wattage (See Ordering Information For Exact Wattage)</b>	<b>S</b> 18 Watts <b>P</b> 28 Watts
<b>Duty Cycle</b>	Continuous @ 100% voltage
<b>Magnetic Wire Insulation Class</b>	'N' Rated at 200°C (392°F)
<b>Temperature Range</b>	-40°C to +200°C (-40°F to +392°F)
<b>Temperature Rise At Nominal Voltage And Natural Ventilation</b>	<b>S</b> 75°C (135°F) <b>P</b> 95°C (172°F)
<b>Dielectric Strength Maximum Current Leakage (Amps)</b>	.0005 In dry lab condition at 1000V AC for 30 seconds .001 After being immersed in 23°C (77°F) water with waterproof connector for 24 hours at 500V AC
<b>Encapsulating Material</b>	Glass filled rynite
<b>Color Identification On The Terminal Boss</b>	<b>S</b> Black Ring <b>P</b> Red Ring
<b>Weight</b>	0.29 kg (0.64 lbs.)

**AC Coil Assembly**



**Ordering Information**

**CA**   **S**   **012**   **D**

Super Coil   Wattage   Voltage   Termination  
5/8" I.D.

Code	Wattage
<b>S</b>	Standard
<b>P</b>	Puissant

Code	Voltage	Watts		Amps		Ohms**	
		S	P	S	P	S	P
<b>010</b>	10 VDC	18	28	1.80	2.80	5.56	3.57
<b>012*</b>	<b>12 VDC</b>	<b>18</b>	28	<b>1.50</b>	2.33	<b>8.00</b>	5.14
<b>018</b>	18 VDC	18	28	1.00	1.56	18.0	11.6
<b>024*</b>	24 VDC	18	28	0.75	1.17	32.0	20.6
<b>048</b>	48 VDC	18	28	0.38	0.58	128.0	82.3
<b>115*</b>	115 VAC	18	28	0.20	0.26	554	417
<b>230</b>	230 VAC	18	28	0.10	0.15	2100	1430

*\*Standard Voltages      \*\*Resistance ±10% at 68°F*

Code	Termination
<b>A</b>	Amp Jr. (DC Only)
<b>AD</b>	Amp Jr. with 3 Amp Diode (DC Only)
<b>C</b>	Double Lead Wire with Conduit Connector (AC Only)
<b>*D</b>	<b>DIN 43650 (AC or DC, Supplied without DIN Connector)</b>
<b>H</b>	Integral Deutsch
<b>HE</b>	Integral Deutsch with 3 Amp Diode
<b>HS</b>	Integral Deutsch with Internal Seal
<b>*L</b>	Double Lead (DC Only)
<b>LD</b>	Double Lead with Deutsch Connector DT04-2P-EP04 (DC Only) (Use 'H' series if possible)
<b>LE</b>	Double Lead with 3 Amp Diode (DC Only)
<b>PF</b>	Double Lead Wire with Packard Female Weather Pack Connector 1201 5792 (DC Only)
<b>PM</b>	Double Lead Wire with Packard Male Weather Pack Connector 1201 0973 (DC Only)
<b>*S</b>	Double Spade (DC Only)
<b>*W</b>	Double Screw (DC only)
<b>WE</b>	Double Screw with 3 Amp Diode (DC Only)
<b>*Y</b>	Single Screw (Internally Grounded, DC Only)

*\*UL listed 12/24/48 VDC only.*

*Note: Additional voltages and other terminals are available. Some coils are UL approved. For details please consult factory.*

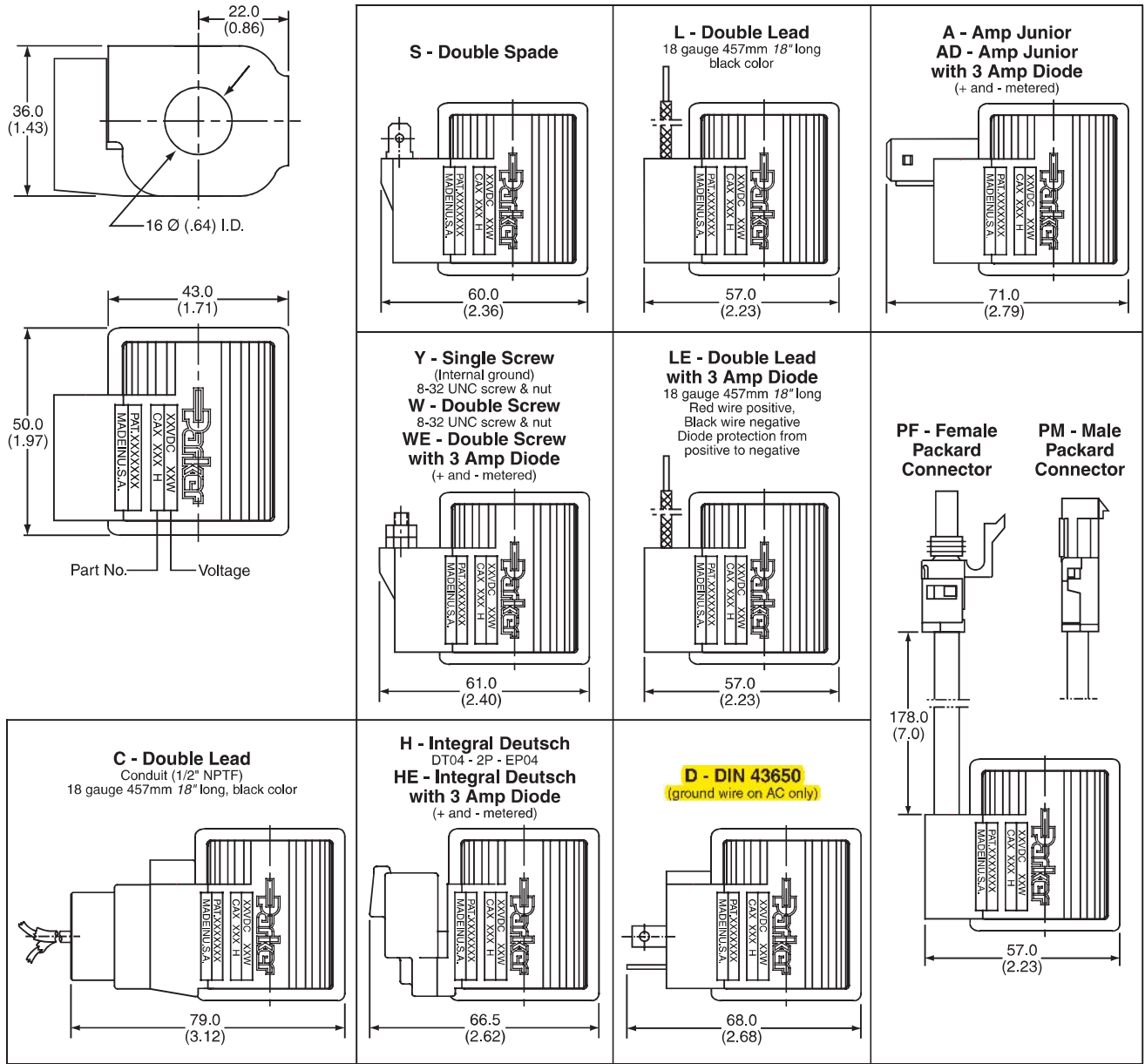
*DIN Female Mating Connector: See page CE2*

*Deutsch Mating Connector: # DT06-2S*

*Packard Male Weather Pack Connector: 12010973*

*Packard Female Weather Pack Connector: 12015792*

**Terminal Styles and Dimensions**



**NOTES:**

1. The standard A.C. coil includes a molded-in full wave rectifier rated for 800 peak reverse voltage.
2. All P Puissant (high wattage) coils use a red ring as an indication marker on the terminal boss. (No ring on Integral Deutsch connector.)



**CV**

Check Valves

**SH**

Shuttle Valves

**LM**

Load/Motor Controls

**FC**

Flow Controls

**PC**

Pressure Controls

**LE**

Logic Elements

**DC**

Directional Controls

**MV**

Manual Valves

**SV**

Solenoid Valves

**PV**

Proportional Valves

**CE**

Coils & Electronics

**BC**

Bodies & Cavities

**TD**

Technical Data