

Technical Information

- 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

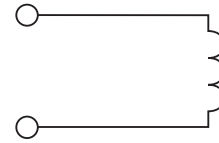
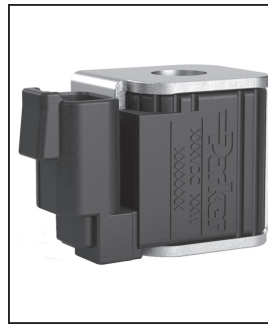
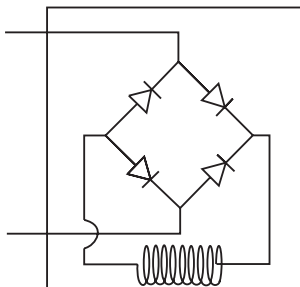
Features

- 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
- Waterproof 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> 14 Watts	<b>P</b> 19 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>	0.20 kg (0.44 lbs.)	

AC Coil Assembly



Ordering Information

**CC** Super Coil 1/2" I.D.      **Wattage**      **Voltage**      **Termination**

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	14	19	1.38	1.90	7.25	5.26
<b>012*</b>	12 VDC	14	19	1.15	1.58	10.43	7.58
<b>018</b>	18 VDC	14	19	0.77	1.06	23.48	17.05
<b>024*</b>	24 VDC	14	19	0.58	0.79	41.74	30.30
<b>048</b>	48 VDC	14	19	0.29	0.40	167.0	121.3
<b>115*</b>	115 VAC	16	19	0.17	0.20	680	576
<b>230</b>	230 VAC	17	22	0.09	0.12	2596	1919

\*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>	DIN 43650 (AC or DC, Supplied without DIN Connector)
<b>H</b>	Integral Deutsch
<b>HE</b>	Integral Deutsch with 3 Amp Diode
<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.

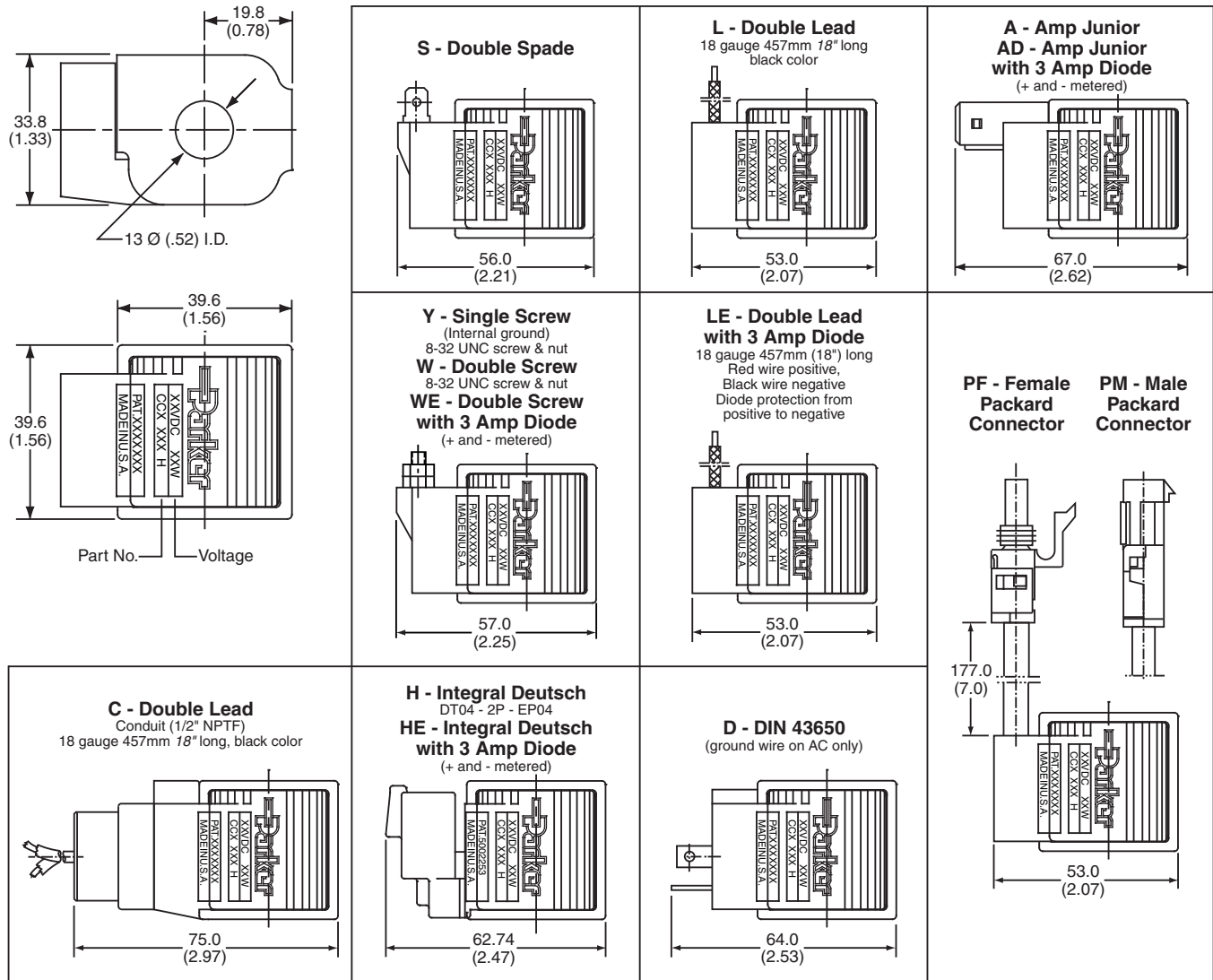
DIN Female Mating Connector: See page CE2

Deutsch Mating Connector: # DT06-2S

Packard Male Weather Pack Connector: 12010973

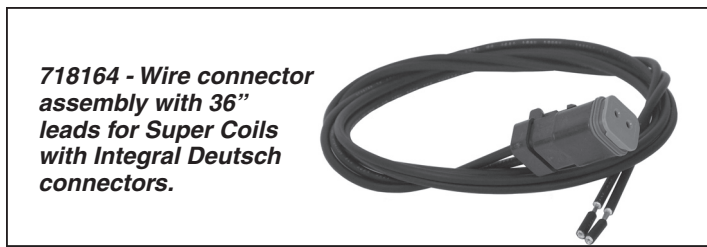
Packard Female Weather Pack Connector: 12015792

**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.



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