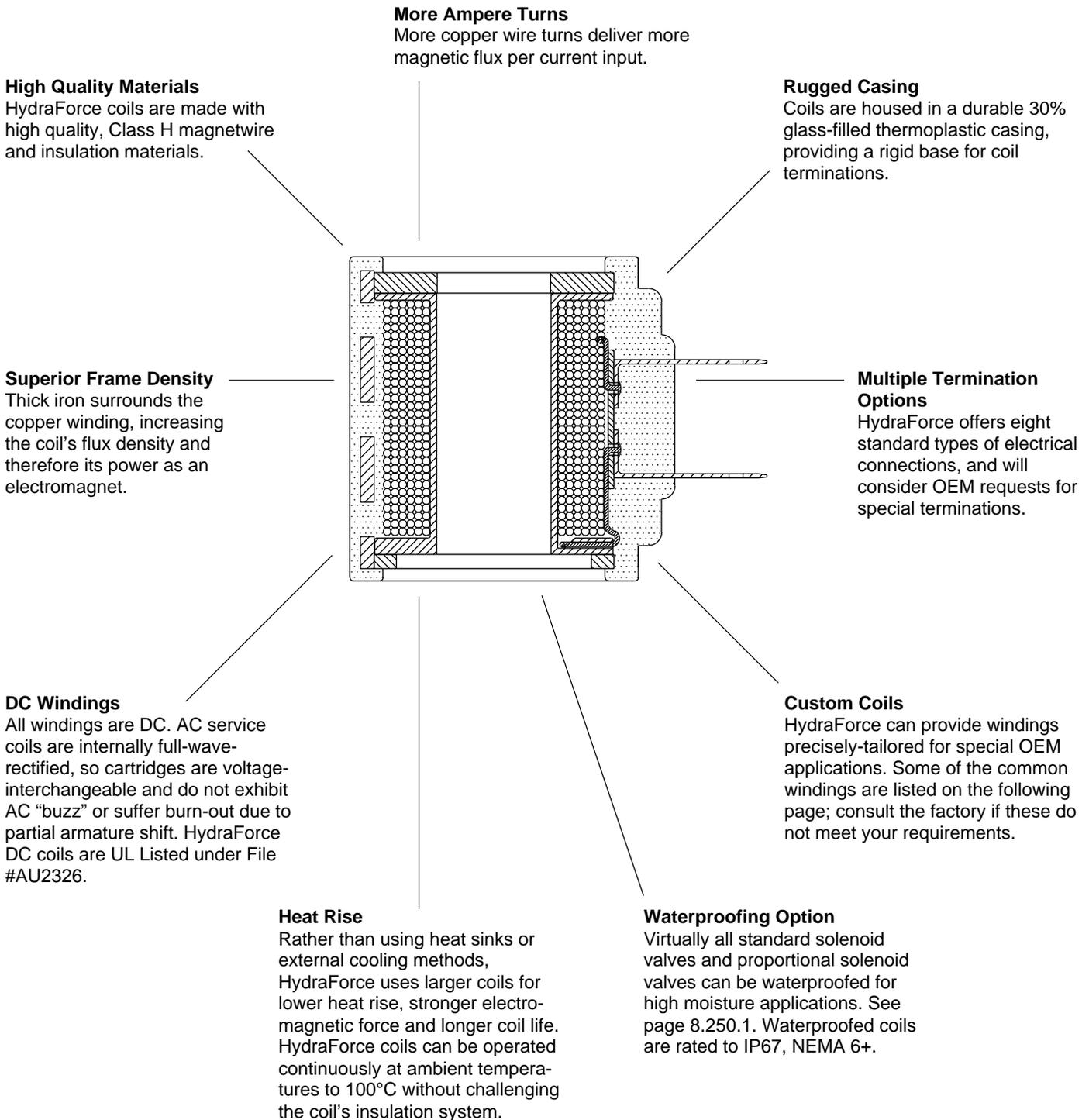


# TECHNICAL DATA

## Continuous Duty Coils

### WHY HYDRAFORCE COILS OUTPERFORM COMPETITIVE UNITS



Note: Some coils may differ in construction from this illustration.

# Continuous Duty Coils

## COMMON WINDING SPECIFICATIONS

08, 80 Size Coil Data (14.7 Watts)		
Volts	Resistance (DC) @ 20°C Ohms	Initial Current Draw Amps
<b>DC Service</b>		
6*	2.46	2.44
10	6.8	1.47
12	9.8	1.22
20*	27.2	0.74
24	39.3	0.61
30*	61.4	0.49
36	88.3	0.41
48	156.6	0.31
72*	352.4	0.20
110	823.1	0.13
<b>AC Service</b>		
24	31.2	0.61
115	765.5	0.13
230	3035.0	0.06

\*Special Order Coils

10, 38, 58, 12, 52, 16, 56 Size Coil Data (20 Watts)		
Volts	Resistance (DC) @ 20°C Ohms	Initial Current Draw Amps
<b>DC Service</b>		
6*	1.8	3.33
10	4.8	2.08
12	7.2	1.67
20*	19.0	1.05
24	28.8	0.83
30*	43.2	0.69
36	64.8	0.56
48	110.2	0.44
72*	249.8	0.29
110	605.0	0.18
<b>AC Service</b>		
24	23.6	0.83
115	568.0	0.17
230	2304.0	0.09

\*Special Order Coils

70 Size Coil Data Proportional Coil Data		
Volts	Resistance (DC) @ 20°C Ohms	Nominal I-Max. Current Draw Amps
12	5.0	1.50
24	20.0	0.75

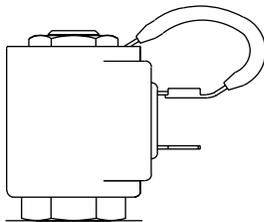
EHPR Coil Data Proportional Coil Data		
Volts	Resistance (DC) @ 20°C Ohms	Nominal I-Max. Current Draw Amps
10	3.1	1.50
12	5.4	1.20
20	12.5	0.75
24	21.7	0.60

## COIL INFORMATION

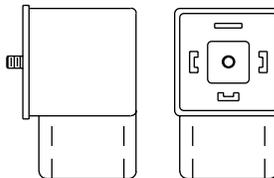
- AC service coils are internally rectified, and can be used in 50 or 60 cycle (Hz) lines.
- Special voltages and terminations are available for OEM applications; consult factory.
- Coil should always be installed with lettering facing up.
- Standard coils are not hermetically sealed. For applications requiring waterproof coils, see pages 8.250.1-2.
- AC voltage service with transient surges over 1000 volts may require that a varistor be placed in parallel at the coil.

Voltage	Varistor Part No.	Joule Rating Required
115	GE: V150LA10A Siemens: S10R150 or equivalent	45 minimum
230	GE: V250LA40A Siemens: S20R250 or equivalent	130 minimum

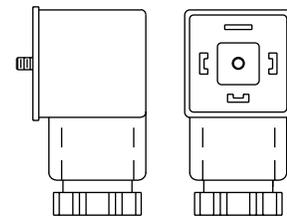
## COIL ACCESSORIES



**Coil Ground Strap  
for DS Coils  
P/N 6502200**



**DIN 43650  
1/2" Conduit to Connector  
P/N 6110001**

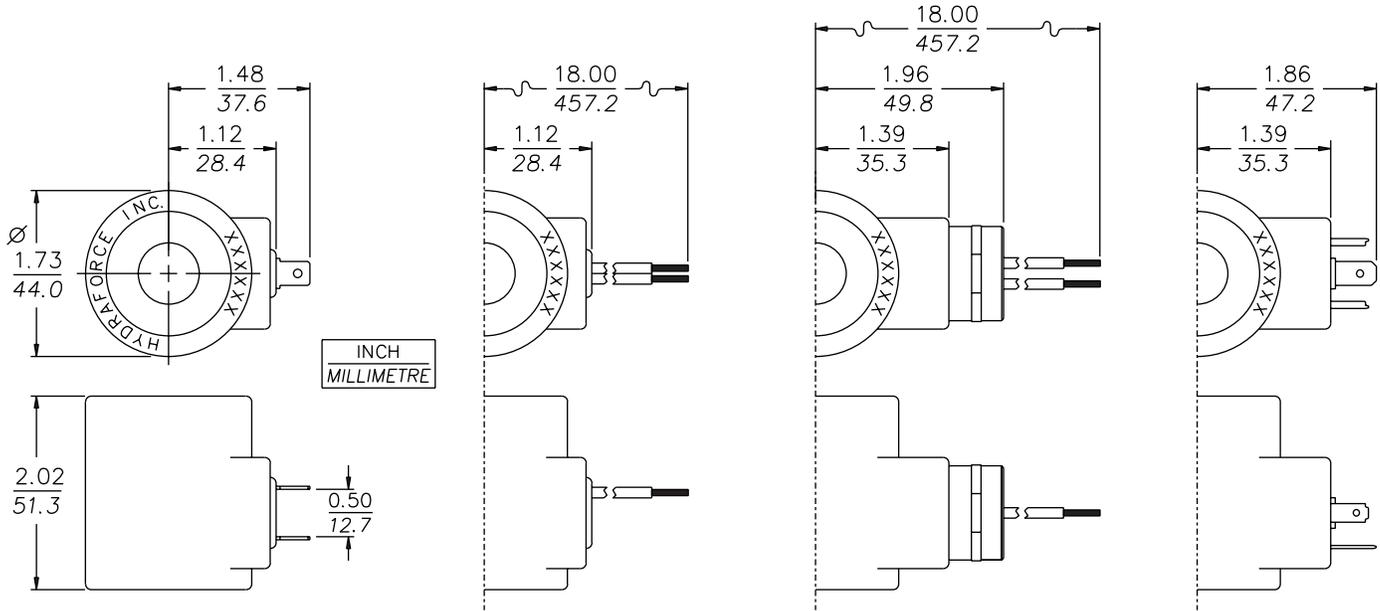


**DIN 43650  
Cable Gland PG 9  
(7 mm nom. cable dia.)  
P/N 6110002  
or Cable Gland PG 11  
(9 mm nom. cable dia.)  
P/N 6110005**

# TECHNICAL DATA

## Continuous Duty Coils

### SERIES 10, 12, 16, 38, 58 COIL INFORMATION



**S**  
Dual Spades  
SAE J858a

**L**  
Dual Leads  
18 Gauge  
Optional 36-inch leads  
available. Consult factory.

**P**  
1/2" Conduit &  
18 Gauge Leads

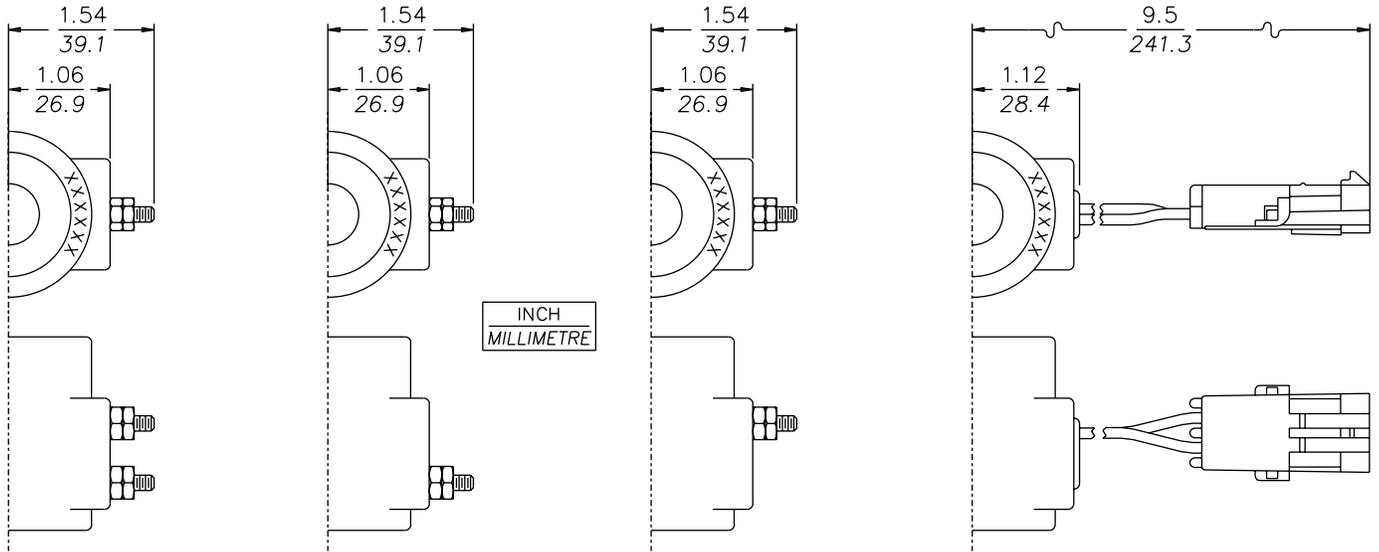
**G**  
DIN 43650  
Connector

Voltage	Part Number Suffix			
	S	L	P	G
10 VDC	6351010	6352010		
12 VDC	6351012	6352012	6355012	6356012
24 VDC	6351024	6352024	6355024	6356024
36 VDC	6351036	6352036		6356036
48 VDC	6351048	6352048		6356048
110 VDC				6356110
*24 VAC			6365024	6366024
*115 VAC			6365115	6366115
*230 VAC			6365230	6366230

\*Rectified

# Continuous Duty Coils

## SERIES 10, 12, 16, 38, 58 COIL INFORMATION



**E**

**Double  
8-32 Studs**

**D**

**Single 8-32 Stud,  
Internal Ground  
with Diode**

**B**

**Single 8-32 Stud  
Internal Ground**

**W**

**Dual 18 Gauge Leads with  
Weather Pack® Connector**

For use with Packard part no. 12015792  
male plug

'D' and 'B' coils are not recommended for use with anodized aluminum bodies or in heavily-painted housings with questionable ground path conductivity.

Voltage	Part Number Suffix			
	E	D	B	W
10 VDC				6359410
12 VDC	6358012	6354012	6353012	6359412
24 VDC	6358024	6354024	6353024	6359424
36 VDC	6358036	6354036	6353036	6359436
48 VDC				6359448