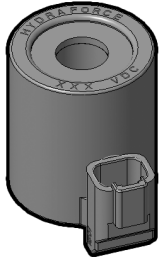


D COIL 10 SIZE

Overview



Construction

Magnet wire wound on a molded 30% glass filled bobbin framed in steel and encapsulated with 30% glass filled polyester resin.

Ratings

Properties

Magnet wire: U.S. class H 180 °C (356 °F) minimum rating

Mating connector: DT06-2S-P012

Weight: 0.297 kg (0.655 lb) note: DS Coil

0.295 kg (0.65 lb) note: DL Coil

0.298 kg (0.65 lb) note: DG Coil

0.304 kg (0.67 lb) note: DR Coil

Electrical Specifications

Voltage	Resistance	Inductance	Initial current draw	Initial power
10	4.83 Ohm $\pm 3\%$	9.39 mH $\pm 5\%$	2.07 A	20.7 W
12	7.2 Ohm $\pm 3\%$	13.20 mH $\pm 5\%$	1.67 A	20.0 W
20	19 Ohm $\pm 5\%$	34.98 mH $\pm 5\%$	1.05 A	21.1 W
24	28.8 Ohm $\pm 5\%$	52.67 mH $\pm 5\%$	0.83 A	20.0 W
36	64.8 Ohm $\pm 5\%$	100.53 mH $\pm 5\%$	0.56 A	20.0 W
48	110.2 Ohm $\pm 5\%$	181.00 mH $\pm 5\%$	0.44 A	20.9 W

Diodes

DIODE TYPE	DIODE TYPE CODE	CIRCUIT DIAGRAM
BI-DIRECTIONAL ZENER DIODE	Z	
UNI-DIRECTIONAL DIODE	D	

Bidirectional Zener Diode Parameters

Maximum clamping voltage: 45.7 V note: 12 Vdc coil

64.8 V note: 24 Vdc coil

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Maximum peak pulse current: 13.2 A note: 12 Vdc coil

9.3 A note: 24 Vdc coil

Reverse standoff voltage: 28.2 V note: 12 Vdc coil

40.2 V note: 24 Vdc coil

Maximum reverse leakage: 5.0 μ A

Breakdown voltage: 31.4 to 34.7 V note: 12 Vdc coil

44.7 to 49.4 V note: 24 Vdc coil

Diode part number: 6110163 note: 12 Vdc coil (ref)

4000063 note: 24 Vdc coil (ref)

Unidirectional Diode Parameters

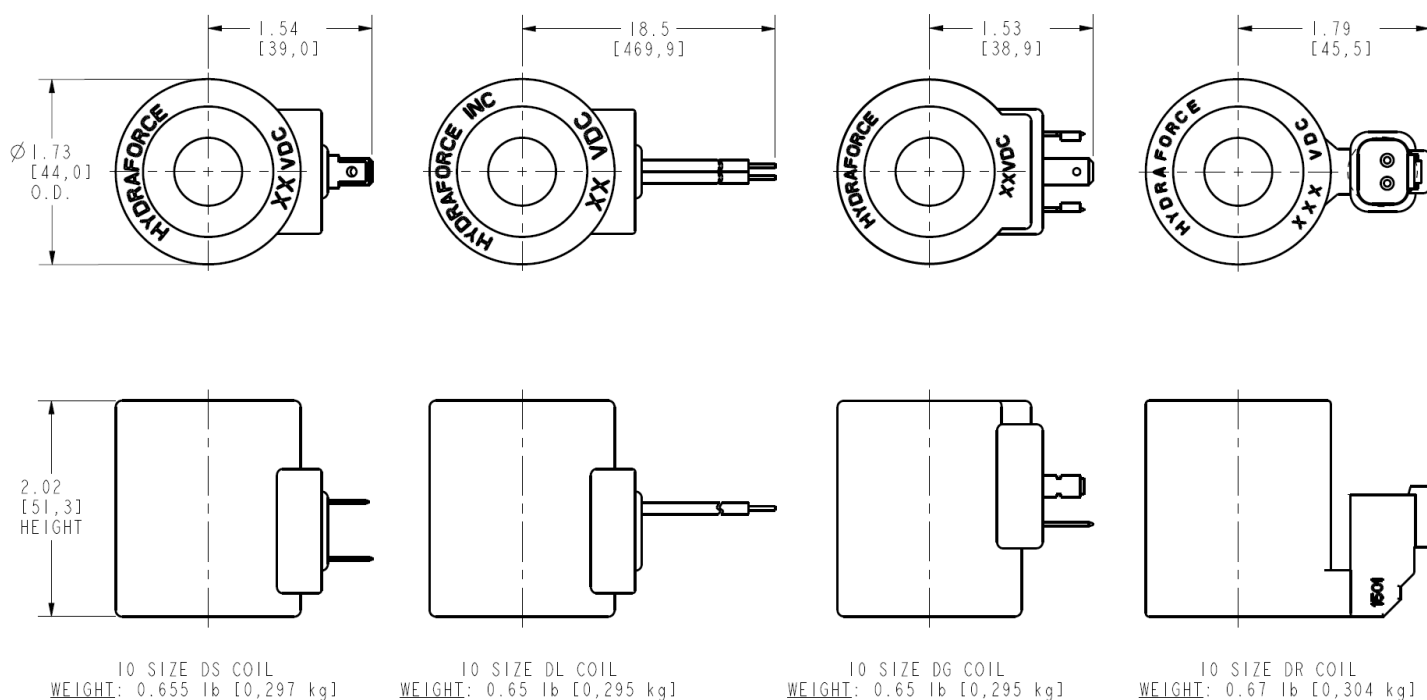
Average forward current: 3.0 A note: Maximum, 12 Vdc coil

1 A note: Maximum, 24 Vdc coil

Maximum repetitive peak reverse voltage: 50 V note: 12 Vdc coils

400 V note: 24 Vdc coils

Dimensions



ALL DIMENSIONS ARE FOR REFERENCE ONLY

Coil Part Numbers

Standard Coils

Old Number	New Number	Code	Vols	Termination	UL	Diode
4301891	R935003555	10 DR/D	10	DEUTSCH DT04-2P	false	true
6357012	R930091154	12 DL	12	DUAL LEADS	false	false
6359732	R930091158	12 DL/D/W	12	MALE 2-PIN WEATHERPACK	false	true

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Old Number	New Number	Code	Vols	Termination	UL	Diode
6359412	R930091156	12 DL/W	12	MALE 2-PIN WEATHERPACK	false	false
4301892	R930091013	12 DR/D	12	DEUTSCH DT04-2P	false	true
4301862	R930091008	12 DR/Z	12	DEUTSCH DT04-2P	false	true
4301893	R930091014	20 DR/D	20	DEUTSCH DT04-2P	false	true
6359739	R935060580	24 DL/D/W	24	MALE 2-PIN WEATHERPACK	false	true
6359424	R930091157	24 DL/W	24	MALE 2-PIN WEATHERPACK	false	false
6355024	R935060506	24 DP	24	CONDUIT	false	false
4301894	R930091015	24 DR/D	24	DEUTSCH DT04-2P	false	true

Optional Coils

Old Number	New Number	Code	Vols	Termination	UL	Diode
6356010	R930091152	10 DG	10	DIN 43650	true	false
6352010	R935060478	10 DL	10	DUAL LEADS	true	false
6351010	R930091144	10 DS	10	DUAL SPADE PER SAE J858a	true	false
6356012	R930091153	12 DG	12	DIN 43650	true	false
6352012	R930091149	12 DL	12	DUAL LEADS	true	false
4301612	R901539386	12 DR	12	DEUTSCH DT04-2P	true	false
6351012	R930091145	12 DS	12	DUAL SPADE PER SAE J858a	true	false
6351020	R930091146	20 DS	20	DUAL SPADE PER SAE J858a	true	false
6356024	R935060519	24 DG	24	DIN 43650	true	false
6352024	R930091150	24 DL	24	DUAL LEADS	true	false
4301624	R930091005	24 DR	24	DEUTSCH DT04-2P	true	false
6351024	R930095902	24 DS	24	DUAL SPADE PER SAE J858a	true	false
6351036	R930091147	36 DS	36	DUAL SPADE PER SAE J858a	true	false

MODEL CODE EXAMPLE:

SV10-XX-0-X-12DX/X

CAVITY AND COIL SIZE

VOLTAGE

CONNECTOR

DIODE TYPE