

E COIL 12 SIZE

Overview



Construction

Magnet wire wound on a molded 30% glass filled bobbin and encapsulated with 30% glass filled polyester resin and enclosed in a two-piece zinc-plated metal shell.

Ratings

Properties

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

Connectors: DEUTSCH DT04-2P note: Mating connector: DT06-2S-P012

METRI-PACK 150-2M note: Mating connector: DELPHI/PACKARD number 12052641

WEATHER-PACK note: Mating connector: DELPHI/PACKARD number 12015792

Weight: 0.87 kg (0.92 lb)

Electrical Parameters

Voltage	Resistance	Inductance	Initial current draw	Initial power
10	3.12 Ohm $\pm 4\%$	[[-]]	3.20 A	32.05 W
12	4.61 Ohm $\pm 4\%$	[[-]]	2.60 A	31.23 W
20	12.44 Ohm $\pm 4\%$	[[-]]	1.60 A	32.15 W
24	18.30 Ohm $\pm 5\%$	[[-]]	1.31 A	31.47 W
36	38.5 Ohm $\pm 5\%$	[[-]]	0.87 A	31.53 W
48	74.00 Ohm $\pm 6\%$	[[-]]	0.64 A	31.13 W

Bidirectional Zener Diode

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

Maximum clamping voltage: 45.7 V note: 12 Vdc coil

64.8 V note: 24 Vdc coil

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

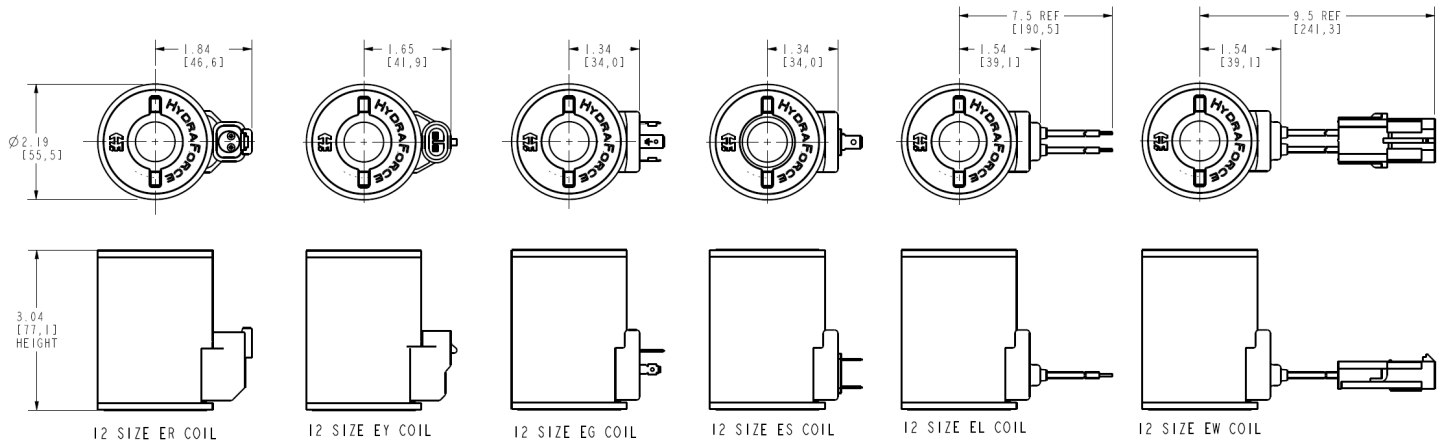
44.7 to 49.4 V note: 24 Vdc coil

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

4000063 note: 24 Vdc coil (ref)

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Dimensions



ALL DIMENSIONS ARE FOR REFERENCE ONLY

Coil Part Numbers

Optional Coils

Old Number	New Number	Code	Vols	Termination	UL	Diode
6956012	R930091182	12 EG	12	DIN 43650, IP65	true	false
6852012	R930091181	12 EL	12	DUAL LEADS, IP69K	true	false
4301212	R930091001	12 ER	12	DEUTSCH DT04-2P, IP69K	true	false
4305512	R930091049	12 ER/Z	12	DEUTSCH DT04-2P, IP69K	true	true
6851012	R930091179	12 ES	12	DUAL SPADE PER SAE J858a	true	false
6853012	R935061674	12 EW	12	MALE 2-PIN WEATHERPACK, IP65	true	false
6964012	R930091184	12 EY	12	METRI-PACK 150 2M, IP69K	true	false
6956024	R930091183	24 EG	24	DIN 43650, IP65	true	false
4301224	R930091002	24 ER	24	DEUTSCH DT04-2P, IP69K	true	false
4305524	R930091050	24 ER/Z	24	DEUTSCH DT04-2P, IP69K	true	true
6851024	R930091180	24 ES	24	DUAL SPADE PER SAE J858a	true	false

MODEL CODE EXAMPLE:

