



Overview

Description

Magnet wire winding overmolded 30% glass filled polyester, and enclosed in a three piece zinc plated metal shell.



Ratings

Properties

Magnet wire	U.S. class N 200 °C (392 °F) minimum rating
Mating connector	DT06-2S-P012 - Note: DEUTSCH DT04-2P DELPHI/PACKARD number 12052641 - Note: METRI-PACK 150-2M
Coil metal frame	Plated for 1,000 hours of salt spray per ASTM B117-09 before corrosion (red rust)

Electrical Parameters

Coil resistance	6.18 ohm $\pm 3\%$ - Note: At 20 °C (68 °F), 10 V coil 8.8 ohm $\pm 3\%$ - Note: At 20 °C (68 °F), 12 V coil 15.6 ohm $\pm 5\%$ - Note: At 20 °C (68 °F), 20 V coil 33.75 ohm $\pm 5\%$ - Note: At 20 °C (68 °F), 24 V coil
Coil inductance	6.22 mH $\pm 5\%$ - Note: At 20 °C (68 °F), 10 V coil 10.61 mH $\pm 5\%$ - Note: At 20 °C (68 °F), 12 V coil 30.48 mH $\pm 5\%$ - Note: At 20 °C (68 °F), 20 V coil 44 mH $\pm 5\%$ - Note: At 20 °C (68 °F), 24 V coil
Coil initial current draw	1.62 A - Note: 10 V coil 1.36 A - Note: 12 V coil 0.84 A - Note: 20 V coil 0.71 A - Note: 24 V coil
Coil initial power consumption	16.16 W - Note: 10 V coil 16.33 W - Note: 12 V coil 16.76 W - Note: 20 V coil 17.07 W - Note: 24 V coil

Bidirectional Zener Diode Parameters

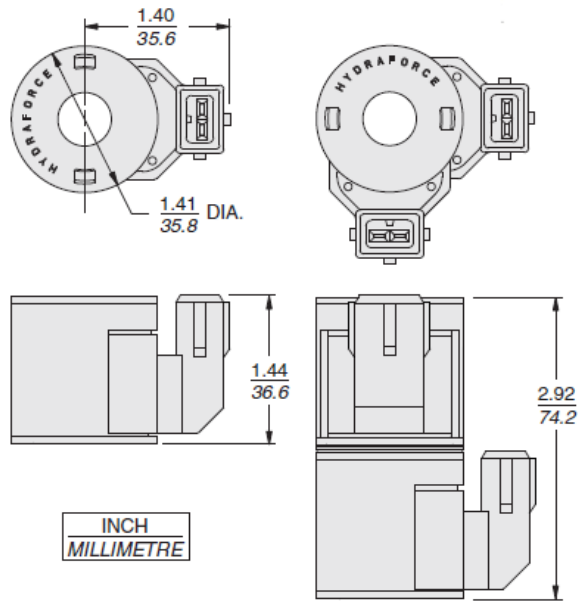
Maximum clamping voltage	45.7 V - Note: 12 Vdc coil 64.8 V - Note: 16, 24 Vdc coil
Maximum peak pulse current	13.2 A - Note: 12 Vdc coil 9.3 A - Note: 16, 24 Vdc coil
Reverse standoff voltage	28.2 V - Note: 12 Vdc coil 40.2 V - Note: 24 Vdc coil
Maximum reverse leakage	5.0 μ A - Note: 12, 16, 24 Vdc coil
Breakdown voltage	31.4 to 34.7 V - Note: 12 Vdc coil 44.7 to 49.4 V - Note: 16, 24 Vdc coil
Diode part number	6110163 - Note: 12 Vdc coil (ref) 4000063 - Note: 16, 24 Vdc coil (rev)

Ultra-fast Diode Parameters (12/24 Vdc Coil)

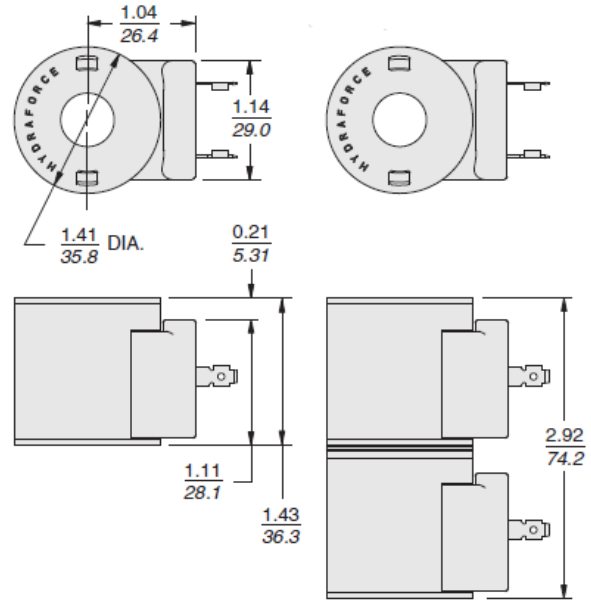
Average forward current	3.5 A
Repetitive peak reverse voltage	600 V
Diode part number	4002474



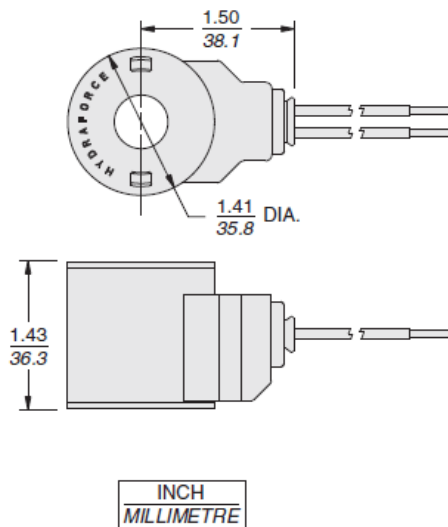
Dimensions



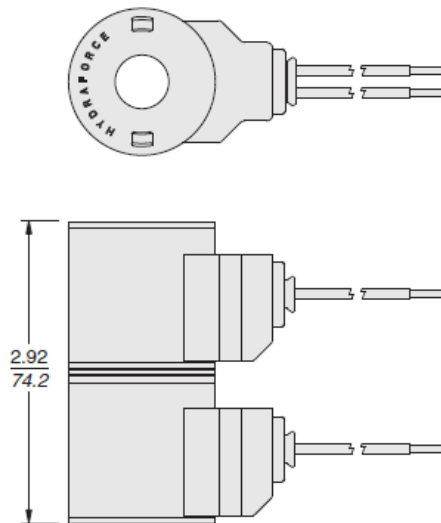
EJ
IP67 Rated 08-Size Coil
Amp Jr. Timer Connector

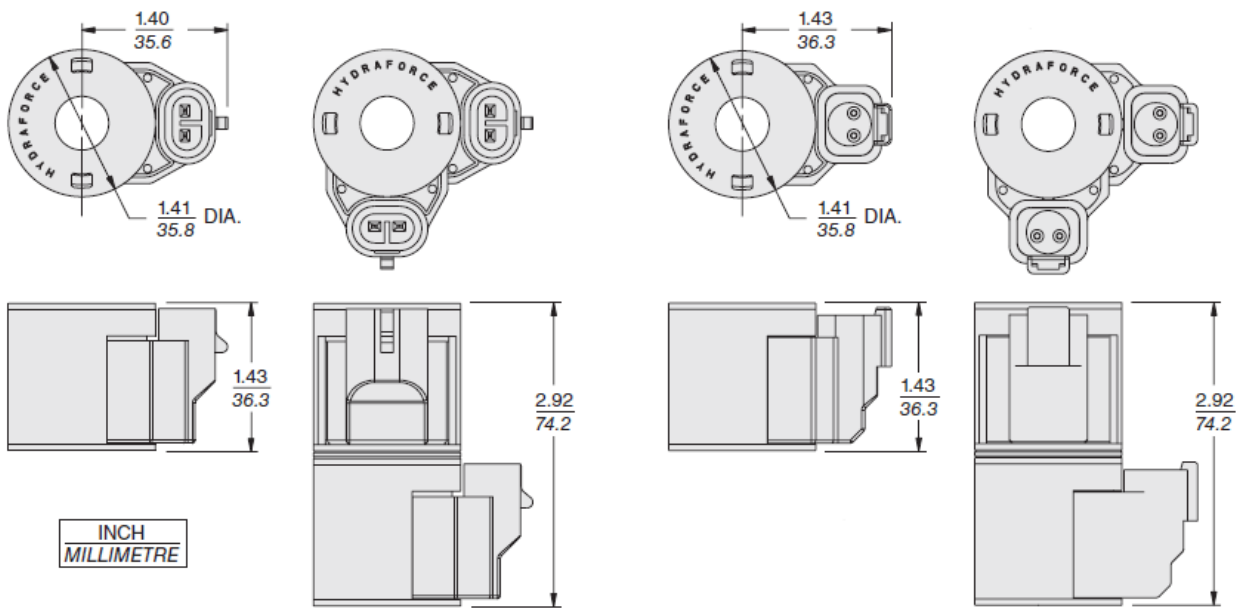


EG
IP65 Rated 08-Size Coil; DIN 43650 Connector
IP67 rated if used with sealed mating connector and gasket



EL
IP69K Rated 08-Size Coil
Thermal Shock Dunk Test Rated Coil





EY

IP69K Rated 08-Size Coil
Thermal Shock Dunk Test Rated Coil
Metri-Pack® 150 Connector

ER

IP69K Rated 08-Size Coil
Thermal Shock Dunk Test Rated Coil
Deutsch DT04-2P Connector

Coil Part Numbers