

Part number:

HYDROMA

HYDRAULICKÉ SYSTÉMY

**HIDROMA
SYSTEMS**

UKŁADY HYDRAULICZNE

HYDROMA

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

XXEX/X**E COIL 08 SIZE**

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 ±3% | - Note: At 20 °C (68 °F), 10 V coil |
| | 8.8 ohm ±3% | - Note: At 20 °C (68 °F), 12 V coil |
| | 15.6 ohm ±5% | - Note: At 20 °C (68 °F), 20 V coil |
| | 33.75 ohm ±5% | - Note: At 20 °C (68 °F), 24 V coil |
| Coil inductance | 6.22 mH ±5% | - Note: At 20 °C (68 °F), 10 V coil |
| | 10.61 mH ±5% | - Note: At 20 °C (68 °F), 12 V coil |
| | 30.48 mH ±5% | - Note: At 20 °C (68 °F), 20 V coil |
| | 44 mH ±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 |

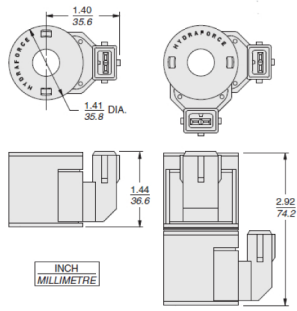
Bidirectional Zener Diode Parameters

| | | |
|----------------------------|----------------|--------------------------------------|
| 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 µA | - 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) |

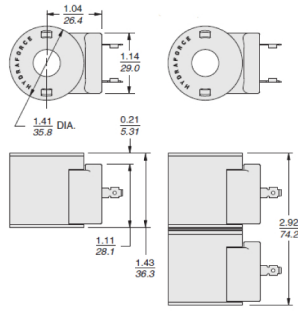
Ultra-fast Diode Parameters (12/24 Vdc Coil)

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

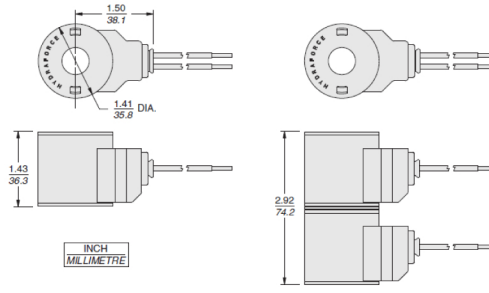
Dimensions



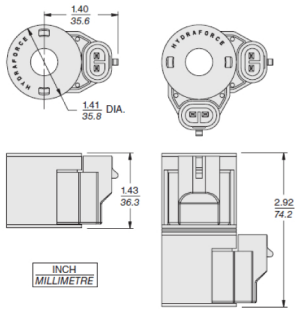
EJ
IP67 Rated 08-Size Coil
Amp Jr. Timer Connector



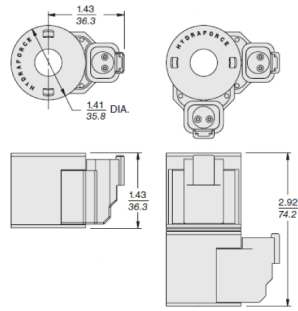
EG
IP65 Rated 08-Size Coil; DIN 43650 Connector
IP67 rated if used with sealed mating connector and gasket



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

| Model code | Part no. | Voltage | Connector | IP rating | Diode |
|------------|----------|---------|-------------------------|-----------|---------------------------|
| 10EL | 4305110 | 10 | Dual leads/no connector | IP69K | |
| 12EL | 4305112 | 12 | Dual leads/no connector | IP69K | |
| 24EL | 4305124 | 24 | Dual leads/no connector | IP69K | |
| 10EL | 4308710 | 10 | Dual leads/no connector | IP69K | |
| 12EL | 4308712 | 12 | Dual leads/no connector | IP69K | |
| 12EL/Z | 4306812 | 12 | Dual leads/no connector | IP69K | Bidirectional zener diode |
| 12EG | 4305862 | 12 | DIN 43650 | IP65 | |
| 24EG | 4305864 | 24 | DIN 43650 | IP65 | |
| 12EG/Z | 4305872 | 12 | DIN 43650 | IP65 | Bidirectional zener diode |
| 24EG/Z | 4305874 | 24 | DIN 43650 | IP65 | Bidirectional zener diode |
| 12EJ | 4306112 | 12 | AMP Jr. timer | IP67 | |
| 24EJ | 4306124 | 24 | AMP Jr. timer | IP67 | |
| 12EJ/Z | 4305912 | 12 | AMP Jr. timer | IP67 | Bidirectional zener diode |
| 24EJ | 4305924 | 24 | AMP Jr. timer | IP67 | |
| 12EY | 4303412 | 12 | Metri-Pack 150 2M | IP69K | |
| 24EY | 4303424 | 24 | Metri-Pack 150 2M | IP69K | |
| 12EY/Z | 4303812 | 12 | Metri-Pack 150 2M | IP69K | Bidirectional zener diode |
| 24EY/Z | 4303824 | 24 | Metri-Pack 150 2M | IP69K | Bidirectional zener diode |
| 10ER | 4303610 | 10 | Deutsch DT04-2P | IP69K | |
| 12ER | 4303612 | 12 | Deutsch DT04-2P | IP69K | |
| 20ER | 4303620 | 20 | Deutsch DT04-2P | IP69K | |
| 24ER | 4303624 | 24 | Deutsch DT04-2P | IP69K | |
| 10ER/Z | 4304010 | 10 | Deutsch DT04-2P | IP69K | Bidirectional zener diode |
| 12ER/Z | 4304012 | 12 | Deutsch DT04-2P | IP69K | Bidirectional zener diode |
| 20ER/Z | 4304020 | 20 | Deutsch DT04-2P | IP69K | Bidirectional zener diode |
| 24ER/Z | 4304024 | 24 | Deutsch DT04-2P | IP69K | Bidirectional zener diode |