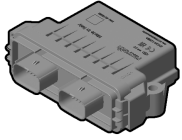


Twelve output, six input, general purpose valve driver

Overview



Description

The EVDR-1206A is a ce-qualified, compact plug-in style, microprocessor-based valve driver designed for use in hydraulic proportional valve applications, typically sectional type valves. The control units are used for the configurable, closed loop current control of proportional solenoids, on/off solenoids, and other electrical functions. It is configurable to drive up to 12 coils using SAE j1939 can input or an independent voltage using a user-defined metering profile.

Technical Information

Download documentation and the HF-Impulse 2.0 application from the hydraforce electronics portal at www.hydraforce.com/electronics. www.hydraforce.com/electronics is a secure portal. Register to sign in with user id and password. Registration is handled automatically if you use a company e-mail address.

Ratings

Electrical Parameters

Supply voltage range: 9 to 32 Vdc

Mandatory external fuse: 15 A

Processor and Memory

Processor: ARM Cortex™ M4

Clock frequency: 128 MHz

Internal memory capacity: 128 kB SRAM

8 kB EEPROM

512 kB PFIASH

Properties

Mating connectors: METRIPAK MX150 12 PIN note: C1: A key, Molex 0334721206

METRIPAK MX150 12 PIN note: C2: B key, Molex 0334721207

Terminal pins: Molex 33012, 33001

Configuration software: HF-Impulse 2.0

Environmental rating: IP67/IP69K

Operating temperature: -40 to 80 °C (-40 to 176 °F)

Unit weight: 185g [0.41 lb] ±5%

I/O

Inputs qty: 6: 0-5 V

0-32 V

Ratiometric (% of supply voltage)

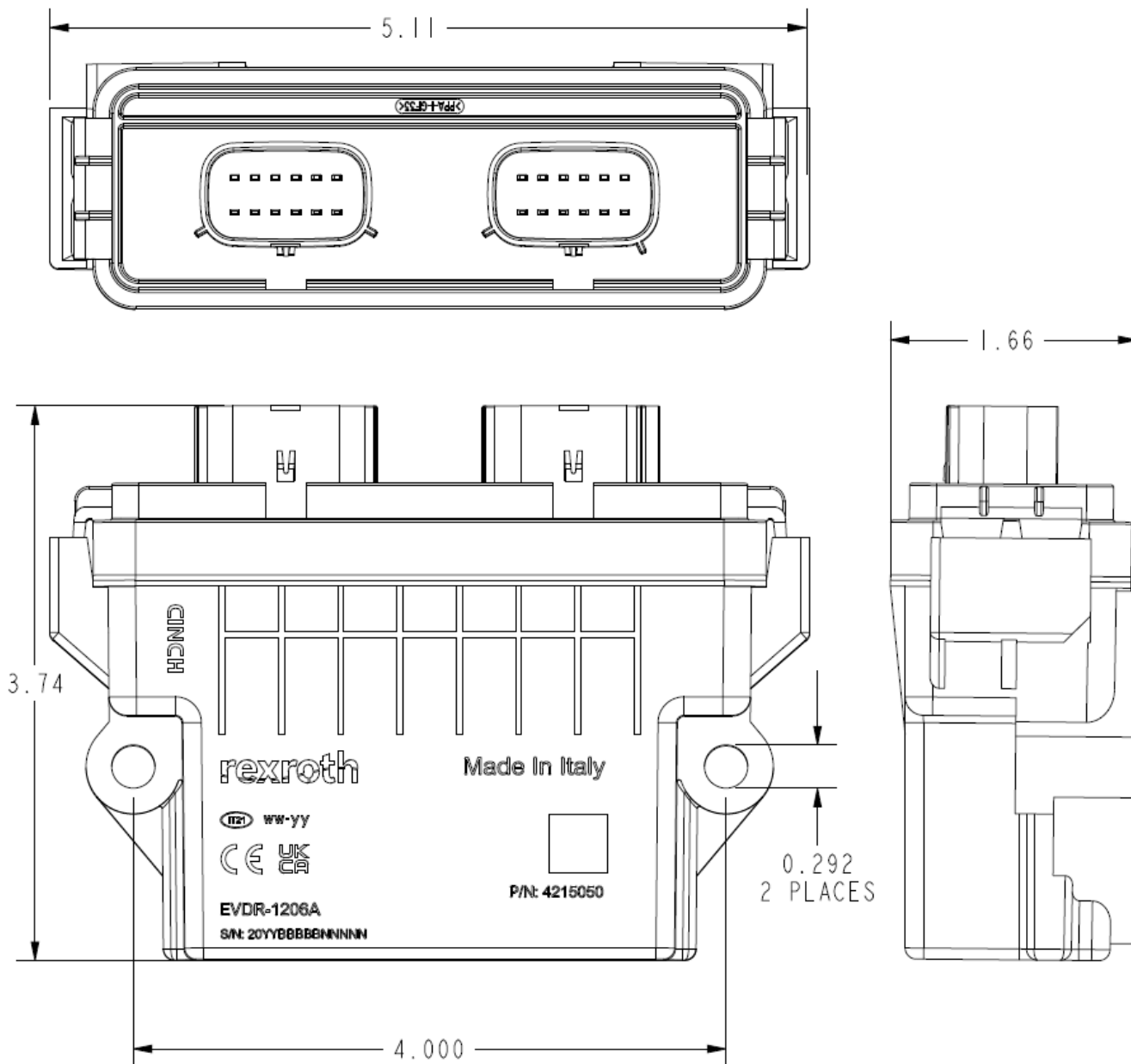
Outputs qty: 12: Current controlled high side PWM

Reference pin: 1x 5 V

Communication: 1x CAN 2.0B, SAE J1939

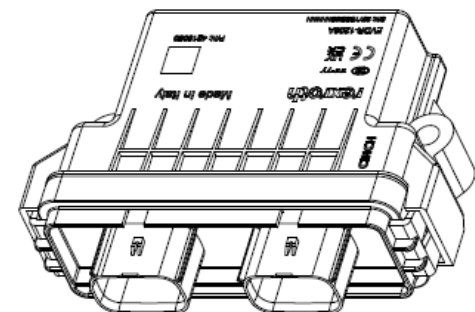
Twelve output, six input, general purpose valve driver

Dimensions



INCH
[mm]

ALL DIMENSIONS ARE FOR REFERENCE ONLY



SCALE 1:2

Twelve output, six input, general purpose valve driver

Ordering Information

EVDR-1206A: 4215050 (R935207022)