PR2820

CONTROLLER 120A - 24I/24O

KEY FEATURES

- Maximum continuous power of 120A
- 24 Inputs / 24 Outputs
- 3 CAN 2.0B port
- IP60 or IP64
- Self-protected controller
- Programmable in C language
- Available in J1939

TECHNICAL OVERVIEW

INPUTS / OUTPUTS

24 Inputs – Software configurable

(4) Digital: High Side, Analog: 0-5V
(2) Digital: High Side, Analog: 0-5V, Impedance
(2) Digital: High Side or Low Side
Analog: 0-32V, Wake-up
(2) Digital: High Side or Low Side
Analog: 0-32V, Frequency
(14) Digital: High Side or Low Side
Analog: 0-32V

24 Outputs – Software configurable

(4) Sourcing 10A: Digital, PWM (1%),
Sinking 10A: Digital, PWM (1%)
(2) Sourcing 20A: Digital, PWM (1%)
(8) Sourcing 15A: Digital, PWM (1%)
(10) Sourcing 6A: Digital, PWM (1%)

COMMUNICATION

1 CAN 2.0B port J1939
2 CAN 2.0B port (Configurable Protocol)
USB type C (update)
BLE (diagnostic)

DC SUPPLY

Reverse polarity protection
Operating supply voltage: 9 to 32 V
Voltage reference: 10V (default) or 5V

CURRENT CONSUMPTION

Normal operation: 50 mA
Sleep mode: 2mA

OPERATING TEMPERATURE

Operational temperature: -40°C to +80°C

PROTECTION RATING

IP60 (default) or IP64

MEMORY

2M byte Flash EEPROM
4K byte EEPROM
256K byte RAM

DEV. TOOLS

Programmable in C language through
VisionPlexIII™ software

MOUNTING

Standard 1/4-20 bolts

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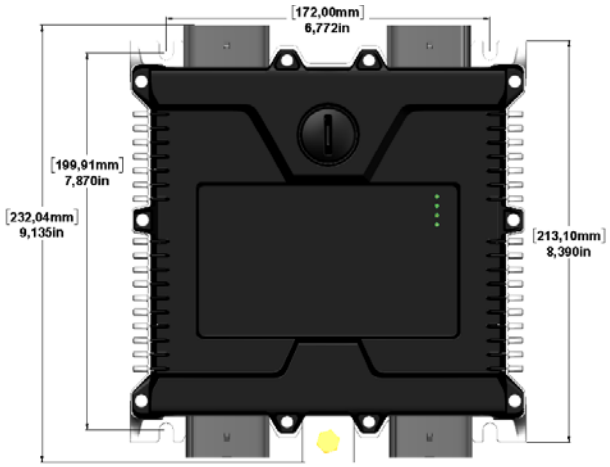

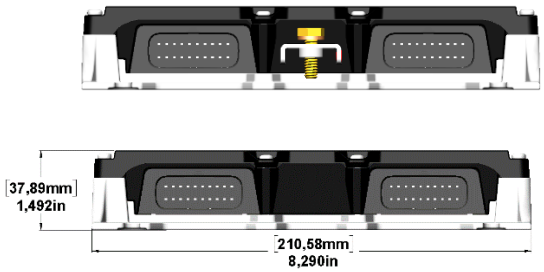

MATING CONNECTOR(S)

33472-2001	20 positions Type Female (Black) Manufacturer Molex MX150
33472-2002	20 positions Type Female (Light Grey) Manufacturer Molex MX150
33472-2003	20 positions Type Female (Brown) Manufacturer Molex MX150
33472-2004	20 positions Type Female (Green) Manufacturer Molex MX150
POWER STUD	Ring terminal Connector 1/4 Stud Circular 2AWG Crimp
USB Type C	USB Type-C Cable

PRODUCT CHART

Controller 120A - 24I/24O	PR2820-00-00-S00
Generic Harness 2m	PHG02820-PM0AAA-020

For more information, refer to product specification sheet or contact a sales representative

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