

# HP8443 General overview

## Specification:

+200A load (PCB tested to +400A).

Voltage 12 & 24 Volt.

Active voltage 5.7-32-volt DC.

Minimum St.by current consumption – 2.3 mA

Weight: 430 Gram.

Box Size 141x119x21

Box Type: Anodized Aluminum.

Connectors AMPSEAL.

Connector part number: 35pin:776164-1 / Gold Pins 770520-3.

## 16 High power Outputs can be controlled/monitored up to 7 levels:

Overload.

Load to Low.

Short Circuit.

Open Wire.

Active Status.

Error.

Current Reading.

## 12 Inputs:

Toggle/momentary/latch.

Negative Input.

Positive Input.

Analog Input.

Pulse Input (PWM) max. 2Khz.

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## Outputs General:

High side (+ Output).

Low side (Gnd. Output).

PWM 10hz -2Khz (Pulse).

## 52 CAN Inputs:

125kbit/s to 1.33 Mbit/s.

11bit.

29bit.

Fully configurable CAN

## Extra Features:

Flash upgrade only with USB Connected.

Special Menu “Blink Keypad”.

Password Protection.

Debug Terminal Optional.

## CAN Export:

5 Levels of CAN Export.

Fully Configurable CAN Export.

All Status's export- Inputs, Outputs, Current, Status, Virtual.

Failures, Open Wire, Current, Temperature, PWM Status .

Firmware and S/N and more.

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## Special Functions:

CAN Monitor Build in - Logger.

Flash Timers.

Delay Timers.

PWM.

Kill output function.

Start output Function.

Wiper Parking and logic.

Virtual (Logical Inputs).

Error Log.

Auto Reset Fuse.

Sequence Functions.

Automatic Power Down.

CAN Export of all statuses, inputs, outputs, current use, virtual, failure states.

Failure Output with Reset.

Powerup configurable.

## 8 Sequence Options:

Set/Reset.

Toggle (Off -> A -> Off).

3 Step Single (Off -> A -> B -> Off).

4 Step Single (Off -> A -> B -> C -> Off).

3 Step add (Off -> A -> A+B -> Off).

4 Step add (Off -> A -> A+B -> A+B+C -> Off).

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## 20 Delay Timers:

On delay 0,1-1500 seconds.

On Time 0,1-6000 seconds.

Can be set in 5 groups also.

## 5 Flash Timers:

Flash on-time 0,01-25 Sec.

Flash Off-time 0,01-25 Sec.

## 20 Virtual Channels:

Possible to define some logical signals.

Based on And / Or /Nand / Nor and delay signals.

## Warranty:

2 Years + Lifetime - Maximum 15 years.

## Software Updates:

Free of charge. - PC Software.

## Regarding Current load of the Connector:

AMPSEAL is specified to 17A Per Pin at 125 degrees Celsius.

We have tested the current load with a temperature of 80 degree Celsius

Each pin can have a load of 25A without any problems-

For a load of 35A per pin its ok for 2 minutes

Inrush is measured to be ok for 50A / 10 sec.

In case of higher load, use double pin output or more.

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