

# ioBLOC H-Bridge Module

Provides an efficient way to reverse polarity on a variety of DC load accessories

## Key Features

- Operating voltage range of 8 – 32 VDC
- Reverse polarity protection
- Voltage transient protection
- Short circuit and over load protection
- Up to 30A per operating current
- J1113/13 and IEC61000-4-2 compliant
- 4 slew rate options
- Small footprint
- Simple 2-point mounting
- LED Status Indicators



## Unit Connections

Input Connector	DT15-6P (or equivalent)
Mate Connector	DT06-6S

Pin 1	Slew Rate MSB*
Pin 2	Slew Rate LSB
Pin 3	n/a
Pin 4	n/a
Pin 5	IN 2
Pin 6	IN 1

Load Connector	DTP10-4P
Mate Connector	DTP06-4S

Pin 1	Ground (- battery)
Pin 2	Forward (load side 1)
Pin 3	+V (+ battery)
Pin 4	Reverse (load side 2)

\*Slew rate options include instant, 1 sec, 3 sec, 5 sec

## Electrical Specifications

Power Supply Voltage	8 – 32 VDC
Logic Supply Voltage	5.0 VDC
Operating Current	30A Max
Surge Current (300uS)	200A Max

Off Leakage Current	250uA Max / 20uA Typ
On Resistance	7 mΩ Max / 3.5 mΩ Typ
Joules @ Load Dump	3 J Max

(12 VDC@20A, 15mH inductance)

## Environmental Specifications

Storage Temperature	-40° to 85° C
Operating Temperature	-40° to 85° C
IP Rating	IP67
Weight	0.40 lbs.

## Part Number

PN 100001341

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