

# Automotive H-Bridge Module

This solid state DC load reversing contactor is wired in an H-Bridge configuration and is rated for up to 30A at 24VDC. This device provides an efficient way to reverse polarity on a variety of DC loads including solenoids, motors, brake/clutch assemblies, etc.



## Product Features

- Operating voltage range of 8-32 VDC
- Reverse battery 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
- Potted - protection from harsh environments
- Easy 2 point mounting / rugged ABS housing
- Customizable

## Environmental Specifications

Storage Temp.: -40° to 85° C  
Operating Temp.: -40° to 85° C  
IP Rating: 67  
Weight: 0.40 lbs. Typ  
Package Dimensions: 3.10" W, 4.00" L, 1.45" H

## Unit Connections

Input connector: DT15-6P  
(or equivalent)  
Mate connector: DT06-6S  
Pin 1: Slew rate MSB\*  
Pin 2: Slew rate LSB  
Pin 3: NC  
Pin 4: NC  
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 Specification

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  
Jewels @ Load Dump: 3J Max  
(12 VDC@20A, 15mH inductance)

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