

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)

TROMBETTA 
DC Power Solutions for a Harsh World