

S500-A21



Description

The PWM module provides a stand alone, Pulse Width Modulation device that is separate from a vehicle's computer system allowing easier installation into the vehicle.

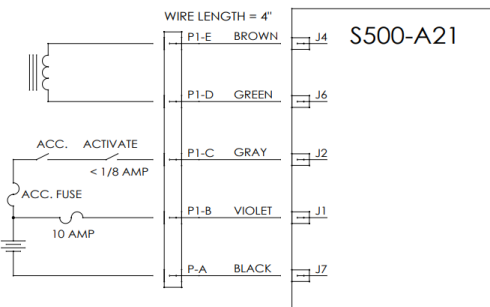
Specifications

Module Specifications

Pin 1-B Typical Pull Current	10 Amps @ 12 Volts (Affected by actual load and wiring)
Pin 1-B Typical Hold Current	1.5 Amps @ 12 Volts (affected by actual load and wiring)
Pin 1-B will draw	Less than 85uA (at 12 Volts) if there is no activation signal on P1-C
Activate signal current	26mA nominal @ 12 Volts
Minimum voltage required to ensure operation	10 Volts
Maximum Voltage unit is ensured to operate	16 Volts
Transient Protection	Can handle load dump voltage up to 100 Volts
Rated Number of Cycles	> 50,000
Environmental Seal	IP66/IP67

CONNECTOR:
 MOLEX CONNECTOR HOUSING: 33482-0601
 MOLEX CONNECTOR PINS: 33000-0002
 MOLEX CONNECTOR SEALS: 34345-0001

MATING CONNECTOR:
 MOLEX CONNECTOR HOUSING: 33472-0601
 MOLEX CONNECTOR PINS: 33012-3001
 MOLEX CONNECTOR SEALS: 34345-0001



Output Specifications

This module is a low-side PWM Driver intended for nominal 12 volt vehicle applications driving solenoid coil resistances of 1.4 OHMS or greater specifically SMP P/N Q613-A20.

As soon as the activation signal rises above the minimum voltage required to ensure operation, The solenoid will be 100% driven for 1 second, then will be PWM driven at 1.5 amps (typical) until the activation signal is removed.

Product Dimensions

