Competition Systems - 4/2 Brett Drive
Carrum Downs
Victoria, 3201
Australia

Phone: +613-8743-5550 - Email: sales@compsystems.com.au

HP8480 Intelligent Master Switch

Brand: HP Electronik
Product Code: HP8480
Availability: 7 Days
Weight: 0.70kg
Dimensions: 15.00cm x 10.00cm x 5.00cm

Price: $1,292.50

Short Description

The main function is a high power battery switch designed for current up to 1000A. The high current is
achieved by connecting 9 or 18 (depending on model) Power MOSFET, each specified to handle 250
ampere, transistors in parallel.
Additional features:
a) A low loss current sensor monitors if the battery is charged or discharged. Both available as signal on CAN bus, and output for driving “Discharging” warning light.
b) Low power output for driving “Rain light” (independent of main switch).
c) Electronic current limit on low power outputs.
Switch Off if current above 10A for more than 1 second.
Automatic reset (switch On) after 20 seconds.
d) Temperature sensor.
e) Automatic switch to PowerDown mode after 30 seconds with Main-Switch off. Only input 1..4 and Light output may be used then HP8480 is in Power down.

Description

FEATURES

- Powersupply 12V / 24V DC
- Switching Current 1000A
- High Side Switching (+)
- Intelligent Measurement of Load
- Intelligent Analysis of Charging / Discharging of the Battery
- + Constant output for Rainlight etc.
- Programmable fuse size 0,1-32A
- Input from switch or CAN
- 2 x Switch Inputs to control Power «off» (for cars using Internal and External Master switching)
- For activating, only one switch is required to be switched «on»

Specifications

Power supply 7..18VDC (connected to 12V battery).
Supply current, active < 60mA
Supply current, power down < 6mA (entered after 30 seconds with Main Switch Off).
Main switch voltage drop @20A <3mV (18 PMOS version)
<5mV (9 PMOS version)
Current accuracy, Main switch (< 45A) +/- 0,3A +/-2%
Current accuracy, Main switch (> 45A) +/- 1,0A +/-20%
Current accuracy, Safety light output +/- 0,1A +/-5%
Battery voltage accuracy +/-50mA +/-1%
Temperature accuracy +/- 0,5 degree @25 degree.
+/- 1 degree from -10 to 85 degree.
+/- 2 degree from -10 to 125 degree.