

BATTERY MONITOR FOR REMOTE MAIN SWITCH BCM-BH



- **BCM BH 12V** Order-No.: 0 7000 1212
- **BCM BH 24V** Order-No.: 0 7000 1224

Battery monitor with 2 internal potential free contacts to activate a mono- or bistable relay. Ready to use connection cable to the active shunt SHA included, length 5 m. Longer cables available on demand.

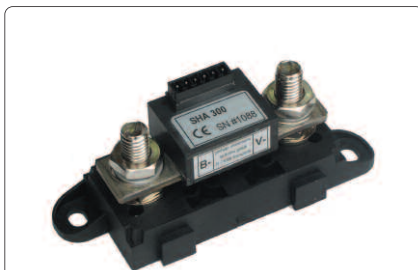
Dimensions W 105 x H 105 x D 70 mm
Cut out 88 x 88 mm

The battery monitor BCM BH 12 V or 24 V is designed to protect the battery bank from deep discharge. An external high current relay will be operated by two integrated potential free contacts in order to switch on/off the onboard electrical system. For the deactivation of the onboard system there are three different levels that can be chosen from: the adjustable capacity threshold, the battery reserve threshold and the empty-alarm threshold. Even when a (weak) battery is recognised as empty before the set threshold is reached, the system shuts down. 1-5 minutes before the system shutdown the monitor will warn by an optical and acoustical alarm in order to provide an opportunity to avoid the upcoming shutdown - for example by activation of a charger or starting the engine. By pressing a button at the monitor the main switch can be reactivated (emergency switch-on). A temperature sensor is available as option for temperature measuring of the battery. Monostable as well as bistable relays (only impulse for on or off) are connectable.



- recommended bistable high current **relay 260 A**:
- **FBR 265** Order-No.: 0 8302 2650
- recommended bistable high current **relay 500 A**:
- **FBR 500-12V** Order-No.: 7 0010 7700
- **FBR 500-24V** Order-No.: 7 0010 7702
- recommended monostable **relay 70 A**:
- **TR 70-12V** Order-No.: 0 8000 7012
- **TR 70-24V** Order-No.: 0 8000 7024

ACTIVE SHUNT SHA



- **SHA 300** Order-No.: 0 7000 0300
- **SHA 300-A2** Order-No.: 0 7000 0302

Active shunt for up to 300A nominal current. Suitable for loads / charging sources of max. 3600W (12V) or 7200W (24V). The shunt SHA 300 is for installation in the negative line between battery and negative terminal.

Rated current 300 A,
600 A 1 min, 1500 A 0,5 s
Rated voltage 12 V, 24 V, 36 V, 48 V
Consumption 6 mA/12 V, 4 mA/24 V
Operation voltage 8-60 V
Current range 10 mA - 300 A
Dimensions L 118 x W 40 x H 65 mm
Cable connection M 10



- **SAS 4** Order-No.: 0 8000 9014

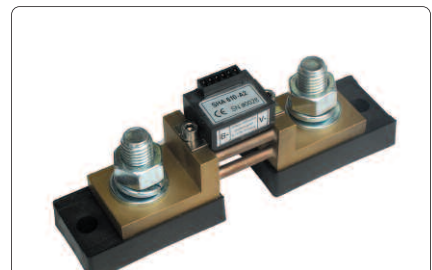
This bus bar will be attached directly on the shunt SHA 610 or SHC 612 to connect smaller lugs / lines (M12, 2x M10, M8).

Dimensions L 140 x W 30 x H 30 mm



- **SHA Kabel 10 m** Order-No.: 0 7000 1099
- **SHA 2 Kabel 10 m** Order-No.: 0 7000 1092

Longer ready made cable (BCM2: cable set) for the connection between shunt and monitor, if the 5m cable isn't long enough. Will be delivered instead of the 5 m cable (set). Other lengths are available.



- **SHA 610** Order-No.: 0 7000 0610
- **SHA 610-A2** Order-No.: 0 7000 0612

Active shunt for up to 600A nominal current. Suitable for loads / charging sources of max. 7200W (12V) or 14400W (24V). The shunt SHA 610 is for installation in the negative line between battery and negative terminal.

Rated current 600 A,
800 A 1 min, 2500 A 0,5 s
Rated voltage 12 V, 24 V, 36 V, 48 V
Consumption 6 mA/12 V, 4 mA/24 V
Operation voltage 8-60 V
Current range 10 mA - 300 A
Dimensions L 185 x W 44 x H 68 mm
Cable connection M 16

- **Temp-BT** Order-No.: 0 5900 3000

Battery temperature sensor for battery monitor BCM - BH.
 More information please see page 33.



- **ASH 1-1A** Order-No.: 6 0030 3411

Fuse holder for blade fuse to protect voltage measurement lines e.g. of the BCM. Blade fuse (1A). included. Flat terminals 6,3mm.