

The installation of high-current components such as main switches and fuses is a space- and time-consuming task, as the connection of the individual components can often only be made with flexible cables due to mechanical differences. Our newly developed main distribution system saves an enormous amount of space, time and money. In addition, it increases safety, as all connections are connected to each other via suitable copper straps. The central components are the mechanically main switch EBH 250 or the electrically remote-controlled battery main switch (FBR/TSA/FBC 265).

The following fusing can be carried out with the strip fuse holder ESH or the bolt fuse holder EBF. An ESF fuse block can be mounted at the input and output of the battery main switch to supply measuring lines and loads such as bilge pumps, chargers or heaters with continuous positive. The current carrying capacity of the system is 250 A and is suitable for 12 V and 24 V DC.

Detailed information on the remote-controlled battery main switches and charging relays on pages 39 and 87.

Battery main switch EBH 250 with fuse block ESF 5 at input and output, output fuses with fuse holder ESH and connecting rails SHV expandable.

Battery main switch FBC/FBR/TSA with fuse block ESF 5 on input, output fuses with fuse rail EBF6 and bolt fuses SHB.

The EMS negative rails and SDV connecting lugs can be used to connect several lines to the SHE and SHX shunts.

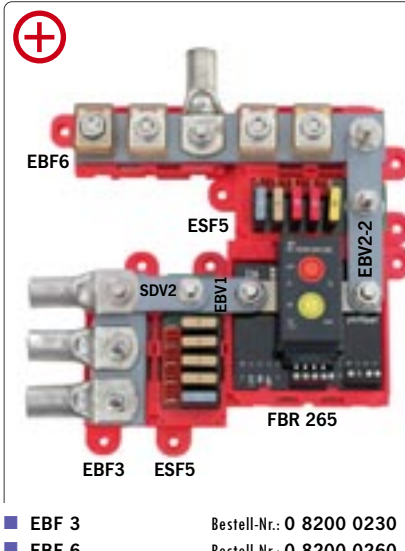


**EBH 250** Bestell-Nr.: 0 8200 2500

Main battery switch 250 A / 32 V for surface mounting.  
**Dimensions** L 124 x W 95 x H 106 mm

**ESH** Bestell-Nr.: 0 8200 0400

Fuse holder for the strip fuse STS. Max. Fuse rating 250 A.  
**Dimensions** L 119 x W 40 x H 50 mm



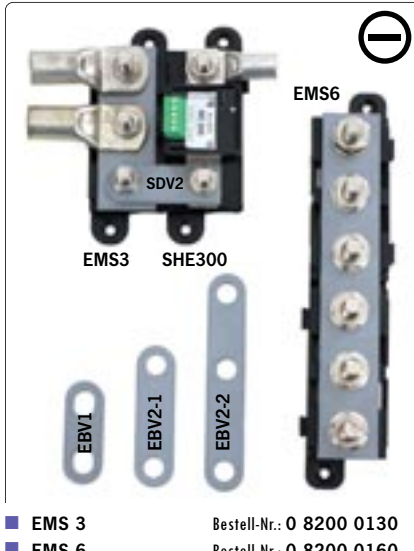
**EBF 3** Bestell-Nr.: 0 8200 0230  
**EBF 6** Bestell-Nr.: 0 8200 0260

Safety rail 3 or 6 times for bolt safety devices SHB. Current carrying capacity 250 A, max. fuse 200 A. Lead bolt M10, safety bolt M8.

**Dimensions 3f** L 119 x W 40 x H 50 mm  
**Dimensions 6f** L 212 x W 40 x H 50 mm

**ESF 5** Bestell-Nr.: 0 8200 0255

Fuse block for 5 ATO fuses or circuit breaker 1610. Total current carrying capacity 30 A, max. fuse 20 A.  
**Dimensions** L 119 x W 40 x H 50 mm

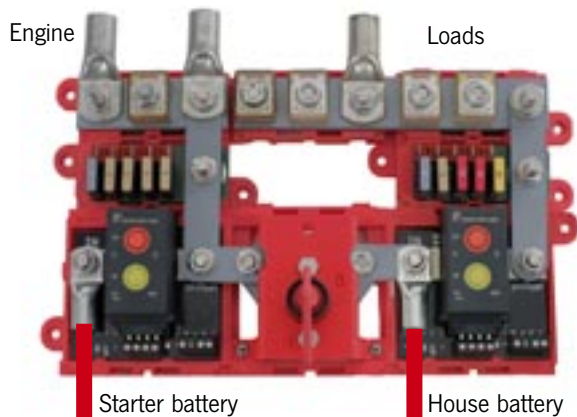


**EMS 3** Bestell-Nr.: 0 8200 0130  
**EMS 6** Bestell-Nr.: 0 8200 0160

Minus rail 3 / 6 times. 150 mm<sup>2</sup>, current-carrying capacity 250 A, connection bolt M10.  
**Dimensions 3f** L 119 x W 40 x H 50 mm  
**Dimensions 6f** L 212 x W 40 x H 50 mm

**EBV 1 (25-32 mm)** Bestell-Nr.: 0 8200 0010  
**EBV 2-1 (53 mm)** Bestell-Nr.: 0 8200 0021  
**EBV 2-2 (53 mm)** Bestell-Nr.: 0 8200 0022

Connecting rails copper nickel-plated 80 mm<sup>2</sup> for connecting the elements.  
 EBV 1: Hole spacing 25-33 mm  
 EBV 2-1: Hole spacing 53 mm  
 EBV 2-2: Hole spacing 53 mm + 40 mm



**Further system expansion**

By combining several components, a compact main current distribution for starter and consumer batteries can be created, which can also be supplemented with an emergency switch for starting the engine via the consumer battery. Alternatively, a charging relay can also be used. Mechanical or remote controlled main switches (FBA / TSA / FBC) can be used. Fuse blocks can be attached to the main switch outputs to protect the main lines. Small fuse blocks can be added at the side to protect continuous positive loads. The connection is made with the appropriate connection rails as shown in the example.

**More examples under [philippi-online.de/Installation](http://philippi-online.de/Installation)**