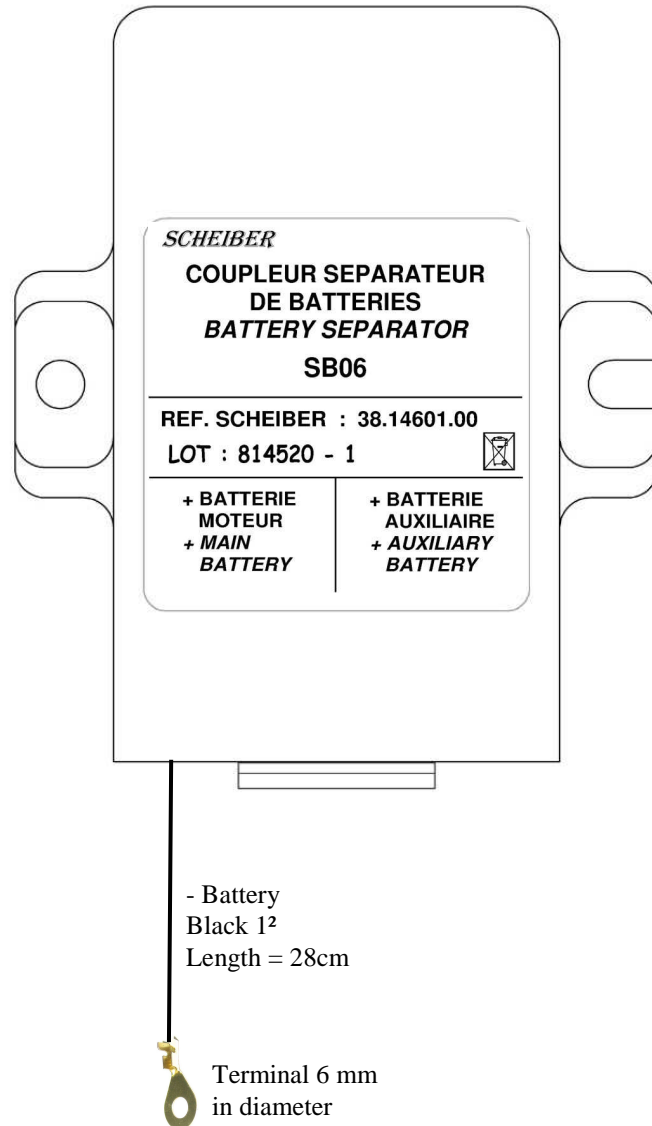


CASE:



BATTERY SEPARATOR

12V 30A

38.14601.00

WE THANK YOU FOR YOUR PURCHASE AND HOPE THAT THIS PRODUCT WILL MEET YOUR REQUIREMENTS.

Before using this product, we advise you to read carefully the instructions mentioned below.

The manufacturer could not be held responsible and accepts no responsibility for any damage to someone or something following an improper use and referring to the warnings mentioned on that document.

ALWAYS KEEP CAREFULLY THAT DOCUMENT

- This document explains how to use and install the product.
- Do not use the product in other circumstances than those for which it was developed.
- After unwrapping the product, make sure that it is in good condition. If you have any doubt, contact immediately someone who is professionally qualified.
- Do not let any part of the packaging to the children or someone who is not responsible.
- If the product falls or suffers from violent impacts, immediately contact someone qualified to make sure that the appliance works properly.

30A battery separator for 12V batteries

With this product, the auxiliary battery can be recharged by the main battery (if the alternator is running, the voltage of the main battery is then higher than 13.6V) or the main battery can be recharged by the auxiliary battery (if an external battery charger is connected to the auxiliary battery, its voltage is then higher than 13.6V). The 2 batteries are connected when they are under 12.8V.

INFORMATION BEFORE USING

Be careful: The product must be switched off before using. It must be installed and fixed.

The product must not be used if the case or the wires are damaged. The batteries must be charged.

TECHNICAL INFORMATION

MODAL	Battery separator 38.14601.00	
Max current for the coupling of main batt. to aux. battery	30 A	
Max current for the coupling of aux batt. to main battery	6 A	
Connection voltage	13.6 Vdc \pm 1%	
Disconnection voltage	12.8 Vdc \pm 1%	
Max. current consumed when the BS is in sleep mode (= voltage of the main and aux. batteries <12.6V) – see 1- chapter Remarks	On the main battery : 45 μ A	On the aux. battery : 15 μ A
Max. current consumed when the BS is switched on but the batteries are disconnected	On the main battery : 10.9 mA	On the aux. battery : 2.5 mA
Max. current consumed on the batteries when they are connected	About 20 mA	
Dimensions (L x l x h)	104 x 85 x 25 mm	
Distance between centres of fixing	73 mm	
Maximal / advised diameter of fixation	M6 / M5	
Max. fixing torque	1.5 Nm	
Weight	0.26 Kg	
Watertightness	IP67 (The product is entirely moulded with resin)	

REMARKS :

- 1- The battery separator is in sleep mode until the voltage of one of the 2 batteries reaches 13.1V. It is then running (= watching of the voltage of the batteries) and returns in sleep mode when the voltages of the 2 batteries are under 12.6V.
- 2- If the voltage of the main battery is higher than 15V, the 2 batteries are no longer connected (protection of the auxiliary battery against overvoltage).
- 3- If the voltage of the auxiliary battery is higher than 14.8V, the 2 batteries are no longer connected (protection of the main battery against overvoltage).
- 4- If the voltage of the auxiliary battery is lower than 11.5V, the battery separator can no longer make the coupling (protection of the whole installation if the voltage of the main battery is higher than 13.6V).
- 5- The battery separator is protected against high temperature. If its temperature when running is higher than 80 °C, it can no longer make the coupling.

WIRING :

- If the wires must go through metal partitions, cover the wires.
- Do not leave the wires on conducting electrical materials.
- The cutting of the wire must be respected (see the chapter about the cutting of the wires); protect properly the wires.
- Put the wires so that they could not be damaged.

BE CAREFUL :

- Fix the case before switching on the product.
- You must regularly check if the connections are well tightened: a bad tightening can lead to warm connectors.
- After the wintering of the vehicle, recharge the batteries. A strong discharge of the batteries damages the battery separator.

CUTTING OF THE WIRES:

- Fit the cutting of the wires to your current consumption.
- For lower than 10m, current density = 5A/mm², for a higher length, current density = 3A/mm².

INSTALLATION :

- The case has 2 holes for the fixing.