



## S250 SERIES

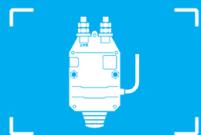
BATTERY MASTER SWITCH



# S250 SERIES

ELECTRICAL CONTROL

- 300 A CONTINUOUS RATING ●
- ZERO CONSUMPTION IN OFF POSITION ●
- TEMPORIZATION (OPENING DELAY) 5 SEC ●
- APPROVED ACCORDING TO ISO10133 ●



# S 250 SERIES

## BATTERY MASTER SWITCH

### TECHNICAL DATA

#### MAIN CHARACTERISTICS

|                              |                              |
|------------------------------|------------------------------|
| Rated voltage                | 12 / 24 V                    |
| Polarity                     | + CUT-OFF                    |
| Temperature range            | - 40 to +85 °C               |
| Housing material             | PBT glass filled             |
| Housing color                | Black                        |
| Weight                       | 1150 g                       |
| Protection degree (ISO20653) | IP65 (except manual control) |
| Compliant with directive     | REACH - 2000/53/CE           |
| Approved according to        | ISO10133                     |

#### POWER CIRCUIT

|                               |                      |
|-------------------------------|----------------------|
| Continuous rating             | 300 A                |
| Overload                      | 1500 A (15 s)        |
| Max DC voltage                | 16 / 32 V            |
| Temporization (opening delay) | 5 sec                |
| Terminals size                | M10                  |
| Contact resistance            | <1 mΩ                |
| Terminals length              | 10 mm                |
| Tightening torque             | 14N.m±20%            |
| Terminals material            | Silver plated copper |

#### CONTROL CIRCUIT

|                              |                                     |
|------------------------------|-------------------------------------|
| Voltage range                | 10.5 - 16 V / 18 - 32 V             |
| Control signal               | ON-OFF (1-0)                        |
| Switching current            | 10 A - 12 V / 7.3 A - 24 V (200 ms) |
| Idle current in OFF position | 0 mA                                |
| Connection                   | 6-Pin connector                     |

#### AUXILIARY CONTROL

|      |        |
|------|--------|
| Type | Manual |
|------|--------|

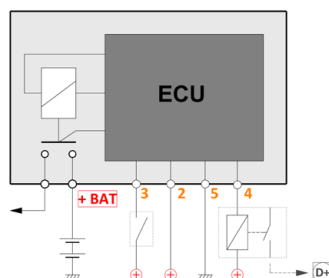
#### AUXILIARY CIRCUIT

|                   |                                     |
|-------------------|-------------------------------------|
| Type              | Relay control output for D+ circuit |
| Continuous rating | 5 W (20 A relay)                    |

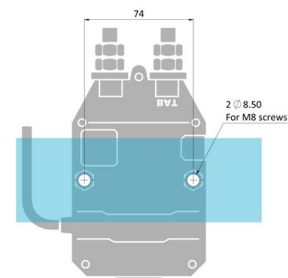
#### WARNING

The manual control (mechanical) has no effect on the auxiliary circuit output status. Indeed, the status change of the battery master switch by the manual control has priority over the electrical control: the resynchronization of the device is done by the reactivation of the manual control or, electrically, after 2 successive actions of the control switch.

### ELECTRICAL DIAGRAM

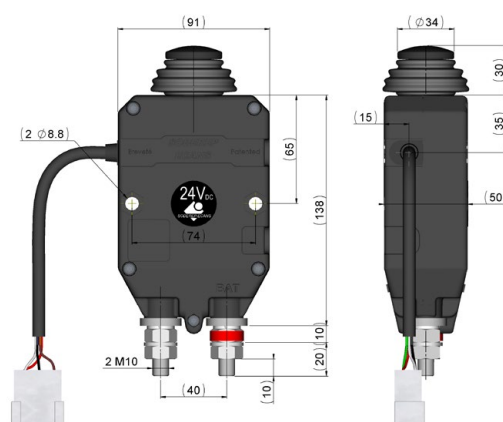


### MOUNTING INTERFACE



Screwing torque M8 : 10N.m ±10%

### DIMENSIONS



### PRODUCT SELECTION

| P/N    | VOLTAGE |
|--------|---------|
| 202680 | 12 V    |
| 202734 | 24 V    |

On request: specific technical demand can be studied

### ACCESSORIES



#### 250254

#### S 701 SERIES

#### Control switch

2 or 4-Pin ISO15170/DIN75585

**NOT SUITABLE FOR REGULAR SWITCHING UNDER LOAD**

| WIRE SECTION   | NUMBER | WIRE COLOR   | CABLING                       |
|----------------|--------|--|-------------------------------|
| 1 <sup>2</sup> | 3      | Brown  | ON-OFF control input +BAT     |
|                | 5      | Green  | GND                           |
|                | 2      | Grey-black   | INPUT Ignition INPUT (option) |
|                | 4      | Red  | OUTPUT D+ circuit             |
|                | +BAT   | M10: connected directly to the positive battery stud |                               |