

Overcharge cut-off voltage	4.25 +- 0.05 V
Recharge reaction time	0.08-0.2 s
Recovery voltage after recharge	4.05 +- 0.05 V
Over-discharge cut-off voltage	2.4 +- 0.1 V
Reaction time to overdischarge	0.04-0.1 s
Recovery voltage after overdischarge	3.0 +- 0.1 V
Maximum long-term operating current	3-4A
Protection tripping current	about 6 A
Response time to overcurrent	0.01-0.02 s
Recovery after tripping of current protection	automatic
Protection against short circuit in the load	yes (>50A)
Short circuit response time	500 us
Recovery after a short circuit	automatic
Operating temperature range	-40 .. +50 C
Size	Ø16 mm x 2.1 mm

#### Connection:

B+ is connected to the positive terminal of the battery

B - is connected to the negative terminal of the battery,

the positive terminal of the load/charger is connected to the metal spacer on the positive terminal of the battery

P - the negative terminal of the load/charger, also placed on the back of the board (continuous contact pad)

#### Application and principle of action:

It is used to protect lithium batteries from overcharging, overdischarging, exceeding the operating current and short circuit in the load. When the parameters of the permissible limits of the battery assembly are exceeded, the battery assembly is disconnected from the load/charger by closing the MOSFET transistors connected to the gap of the negative wire. During normal operation, the channel resistance of open transistors is very small and does not affect the operation of the load/charger.

