

# Template:FMM13A Technical features

## Technical features

| <b>Part name</b>      | <b>Physical specification</b> |
|-----------------------|-------------------------------|
| Navigation indication | LED                           |
| Modem indication      | LED                           |
| Socket                | Soldered inner socket         |
| USB                   | Micro USB socket              |
| GNSS                  | Internal GNSS antenna         |
| GSM                   | Internal GSM antenna          |

### Technical details

|   |  |
|---|--|
| 2 W max.<br>Current consumption (Power supply 10...30 V DC) | <ul style="list-style-type: none"><li>• At 12V &lt; 3 mA (Ultra Deep Sleep)</li><li>• At 12V &lt; 5 mA (Deep Sleep)</li><li>• At 12V &lt; 16 mA (Online Deep Sleep)</li><li>• At 12V &lt; 18 mA (GPS Sleep)</li><li>• At 12V &lt; 33 mA (nominal with no load)</li><li>• At 12V &lt; 2A Max. (with full Load / Peak)</li></ul> |
| Battery charge current                                      | Average 140 mA   |
| Operating temperature (without battery)                     | -40..+85 °C  |
| Storage temperature (without battery)                       | -20..+85 °C  |
| Operating temperature (with battery)                        | -20..+40 °C  |
| Storage temperature (with battery)                          | -20..+40 °C  |
| Operating humidity  | 5% to 95% non-condensing   |
| Ingress Protection Rating                                   | IP41   |
| Device + case + battery weight                              | 55 g   |
| Internal fuse   | 3A, 125V   |