



All dimensions are in mm; tolerances according to ISO 2768 m-H

Documents

User Manual

BA_DE_MI1BMS-001-L-EU

Material

Parts

Housing

Material

CRASTIN® LW9030FR NC010

Material is not coloured (natural material colour).

Natural colour may change due to longterm ultraviolet exposure.

O-Ring

VMQ SH 60

Screw M6x35 ISO 4015

A2-70

Functional data

Radar accuracy

± 30 mm (reference object: metallic plane surface)

Minimal distance

60 cm

Service time

min. 3.000 messages (based on theoretical assumptions)

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PDB_CE80007

Electrical data

Battery Cell

Cell type cylindrical, size D, non-rechargeable
 Cell chemistry Li-MnO₂

Battery Pack

Nominal capacity 25.2 Ah
 Nominal voltage 6.0 VDC
 Battery pack 2s2p
 protective fuse (battery pack) 2A (fast-acting)

GNSS

Technology GPS, GLONASS, Galileo

Mobile Network

SIM embedded
 Antenna type passive
 Band LTE Cat.1, fall back: 2G/3G

Software

Release notes see Rosenberger homepage: <http://www.rosenberger.com/downloads/m2m>

Environmental conditions

Temperature Range	-40°C to 70°C	
Relative humidity	93 ± 3 %	acc. DIN EN 60068-2-30
Vibration	a _{eff} = 30,8 m/s ²	acc. DIN EN 60068-2-64
Mech. Shock	a = 500m/s ²	acc. DIN EN 60068-2-27
Mech. Strength	Drop of h = 1m	
Degree of Protection	IP67	acc. DIN EN 60529
Salt Spray	96h	acc. DIN EN 60068-2-11
Chemical Resistance	Cement, gypsum, lime	
Resistance against UV	Outdoor	acc. DIN EN 75220
Altitude	max. 3000m	
Airpressure (between container and ambient)	max. 2 bar (temporary)	
RoHS 2	compliant	

Certification

Low Voltage Directive (2014/35/EU) EN 62368-1
 EMC Directive (2014/30/EU) EN 301489-1 /-17 /-19 / -33 /-52
 Radio Equipment Directive (2014/53/EU) EN 300328, EN 301511, EN 301908, EN 303413, EN 302729, EN 62311
 Pressure Equipment Directive (2014/68/EU) This product is development and manufactured in accordance with the sound engineering practice of the EU Member States.

Packing

Standard 1 pcs/package

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