

Data sheet

**Radio Link Repeater/
Repeat 5/Repeat 100
Wireless M-Bus, C-mode**

- Battery-supplied repeater
- Standardised radio communication according to EN13757-4:2013
- Built-in antenna
- Handling of up to 100 wireless M-Bus meters
- Outdoor installation, IP67



Part of Radio Link Network

Radio Link Repeater, Radio Link Repeat 5 and Radio Link Repeat 100 are smart battery-supplied network components which together with Radio Link Concentrator make up the infrastructure in a Radio Link network.

The most important role of these components is to collect and forward data from a number of meters and thereby increase the range of the network making it possible to read

meters at very large distances or under especially difficult conditions.

The Radio Link repeaters are designed for outdoor installation and is easily installed directly on wall and tubes (e.g. lamp posts) by means of customised stainless fittings.

Technical data

Capacity

Up to 5 Wireless M-Bus meters with Radio Link Repeater/Repeat 5

Up to 100 Wireless M-Bus meters with Radio Link Repeat 100

Frequency

EU licence free frequency bands from 868 - 870 MHz
C mode: 868.95 MHz (one-way communication)

Communication

Wireless M-Bus, C-mode

Standards

EN13757-3:2013
EN13757-4:2013

Transmission intervals

Forwarding of meter data to Radio Link Concentrator

Radio Link Repeater: every 16 seconds

Radio Link Repeat 5: every 16/96 seconds

Radio Link Repeat 100: every 60 minutes

Supply

2 x D-cell lithium batteries (3.6 VDC).

Battery lifetime

Radio Link Repeater/Repeat 5: Up to 16 years

Radio Link Repeat 100: Up to 10 years

Range

Typically unscreened up to 200 m – depending on the installation.

Mechanical data

Radio Link Repeater/Repeat 100

Dimensions [L X W x D]: 210 x 168 x 64

Weight: 1 kg

Note: All measurements in mm

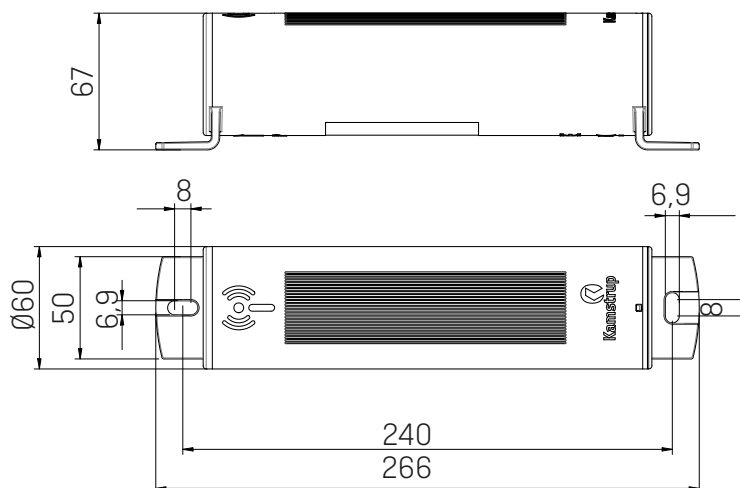
Temperature range

-40°C...+70°C

Torch

Typical: 2.5 Nm

Maximum: 4.0 Nm



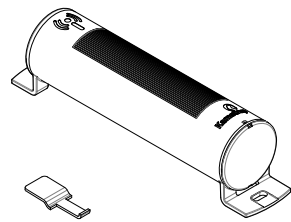
Markings

R&TTE: EN300 220 – class 2

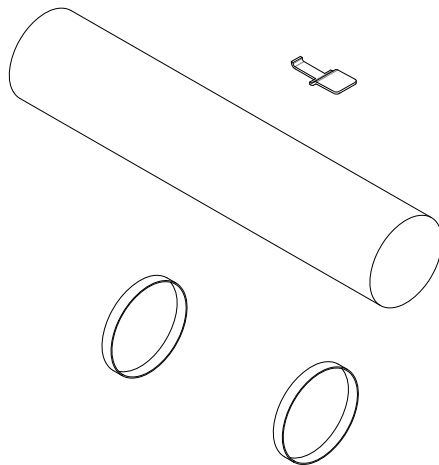
EN301 489

CE marked

Accessories



Radio Link Repeater/
Radio Link Repeat 5/
Radio Link Repeat 100



Fitting

Tube

Collar band

Order data

6697 031: Radio Link Repeat 100

6697 038: Radio Link Repeat 5

6697 041: Radio Link Repeater

6697 046: Stainless collar bands (x 100)

6697 039: Stainless fitting, mini (x 50)

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