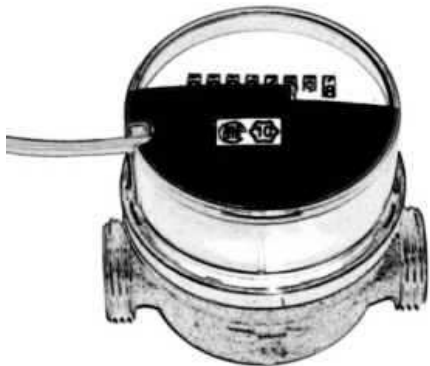


Assembly instructions M-BUS module for water meters



With Modularis counting mechanism



Technical information

Counting accuracy	1 Liter (forward and backward)
Power supply	via M-BUS; Battery (24 months) only for transport and bus failure
M-BUS-Standard	DIN EN 1434-3, 13757-2, 13757-3
Service life	More than 12 years
Test signs	CE
Protection class	<input type="checkbox"/> IP 54 <input type="checkbox"/> IP 65 <input checked="" type="checkbox"/> IP 68
EMC	EN 61000-4-2, EN 61000-4-3, EN 550110
Working temperature	°C to +70 °C
Storage temperature	- 25 °C to +70 °C

List of contents

- M-BUS module
- Countersunk screw 2,2x13mm
- Self-adhesive protection mark
- Assembly instructions

Technische Änderungen vorbehalten

Assembly of the M-BUS module

1. Remove the dummy lid with a small screwdriver.
2. Clean the area above the modulation disk.
3. Place the module onto the water meter. Check the correct fitting of the module (flat transition to the convex surface of the transparent meter hood).



Caution: Incorrect installation of the module can lead to malfunctions!

4. Fix the module with the enclosed securing screw.
(Countersunk screw 2.2 x 13 mm)



5. For protection against inadmissible interventions, attach the enclosed self-adhesive protection mark above the fastening screw.



6. Connect the M-BUS module to the M-Bus system.

Attention (!): The installation of the M-Bus line is implemented according to the regulations of Telekom, on the basis of EN 13757.

Consider the following notes in this case: Use high-quality, spring-loaded wedges or crimp connections, according to the cross sections! Improper wiring discharged to inadmissible transitional resistance and subsequently to the insecurity of the module power supply, so that the battery of the module will be discharged prematurely and is not available for the data protection with BUS failures and "normal" short BUS power interruptions during the BUS-Scans any more.

7. Avoid unnecessary scanning of the M-BUS. Scanning of the M-BUS can lead to a load of the supporting battery. Put the M-BUS into operation in one operational sequence as far as possible! Secure an uninterruptible power supply for the M-BUS. Avoid disconnections from the M-BUS. Avoid short-circuits on the M-BUS line in case of service work and retroinstallations, because most M-BUS masters interrupt the M-BUS power supply in case of a short circuit.

8. Please note: For a proper configuration / synchronization with the water meter, at least 10 - 20 liters water should flow through the meter before the counter value is entered in the software (teaching phase of the M-BUS module).

9. **Remark:** The module is not suitable for Walk-by-read-out!

10. Guarantee exclusion: Nonobservance of the abovementioned tips as well as installation faults lead to the loss of the guarantee. We assume no liability for damages and costs originating herefrom!

We, Neumann & Co. Wasserzähler Glaubitz GmbH

Industriestraße A7

01612 Glaubitz

Deutschland

ensure, that the product:

M-BUS module for water meters with Modularis counting mechanism

corresponds to the M-BUS norms EN 1434, EN 13757-2, EN 13757-3

as well to the demands of the following EU directive:

the EU - EMC - directive in the version in 2004 / 108 / the EU

Applied harmonized norms, in particular:

EN 61000-4-2, EN 61000-4-3, EN 55011

The product was produced, final-taken and tested
under a quality assurance system.


Neumann & Co. Wasserzähler Glaubitz GmbH

business management

Glaubitz, 10/ 2016

Commissioning protocol

Name / Apartment	
Street	
ZIP / City	
installation location	
installation date	
meter number	
meter reading	_____, _____ m ³
billing date	
meter size	Qn: _____ m ³ /h
Pulse value	_____ Liter pro pulse

Installation date

Name