Pioneering for You

Wilo-Connect sensor LPWAN

en Installation and operating instructions

2236181 • Ed.01/2025-01

Connect sensor LPWAN
https://qr.wilo.com/1681

Table of Contents

1 General information

1.1 About these instructions

These instructions form part of the product. Compliance with the instructions is essential for correct handling and use:

- Read the instructions carefully before all activities.
- Keep the instructions in an accessible place at all times.
- Observe all product specifications.
- Observe the markings on the product.

The language of the original operating instructions is German. All other languages of these instructions are translations of the original operating instructions.

1.2 Copyright

1.3 Subject to change

Wilo shall reserve the right to change the listed data without notice and shall not be liable for technical inaccuracies and/or omissions. The illustrations used may differ from the original and are intended as an exemplary representation of the product.

2 Safety

These operating instructions contain basic information which must be adhered to during installation and operation. For this reason, these installation and operating instructions must, without fail, be read by the service technician and the responsible qualified personnel/operator before installation and commissioning. Not only must the general safety instructions listed under this main "Safety" section be adhered to, but also the special safety instructions that are marked by danger symbols and included under the following main sections.

2.1 Identification of safety instructions

These installation and operating instructions set out safety instructions for preventing personal injury and damage to property, which are displayed in different ways:

- Safety instructions relating to personal injury start with a signal word and are **preceded by a corresponding symbol**.
- Safety instructions relating to property damage start with a signal word and are displayed **without** a symbol.

Signal words

- **DANGER!**
  Failure to follow the instructions will result in serious injury or death!
- **Warning!**
  Failure to follow instructions can lead to (serious) injury!
- **Caution!**
  Failure to follow instructions can lead to property damage and possible total loss.
- **Notice!**
  Useful information on handling the product

Symbols

These instructions use the following symbols:


General danger symbol


Danger caused by electric voltage


Notes

2.2 Personnel qualifications

Staff must:

- Be instructed about locally applicable regulations governing accident prevention,
- Have read and understood the installation and operating instructions.

Staff must have the following qualifications:

- Electrical work: a qualified electrician must carry out the electrical work.
- Installation/dismantling: The technician must be trained in the use of the necessary tools and fixation materials.

Definition of "qualified electrician"

A qualified electrician is a person with appropriate technical education, knowledge and experience who can identify **and** prevent electrical hazards.

The operator must confirm and ensure the field of authority, the competence and the monitoring of the personnel. If the personnel do not possess the necessary knowledge, they must be trained and instructed. If required, this can be carried out by the product manufacturer at the operator's request.

2.3 Danger in the event of non-observance of the safety instructions

Non-observance of the safety instructions can result in risk of injury to persons and damage to product/unit. Non-observance of the safety instructions will render any claims for damages null and void. In particular, non-observance can, for example, result in the following risks:

- Danger to persons due to electrical, mechanical and bacteriological factors
- Damage to the environment due to leakage of hazardous materials
- Damage to property
- Failure of important product/unit functions
- Failure of required maintenance and repair procedures

2.4 Operator responsibilities

The operator must:

- Provide the installation and operating instructions in a language which the personnel can understand.
- Make sure that personnel are suitably trained for the specified work.
- Verify the area of responsibility and individual responsibilities of personnel.
- Train personnel with regard to the system operating principles.
- Eliminate any risk from electrical current.
- Ensure compliance with the regulations for accident prevention.

This device can be used by children from 8 years of age as well as people with reduced physical, sensory or mental capacities or lack of experience and know-

ledge if they are supervised or instructed on the safe use of the device and they understand the dangers that can occur. Children are not allowed to play with the device. Cleaning and user maintenance must not be carried out by children without supervision.

2.5 Safety instructions for inspection and installation work

The operator must ensure that all inspection and installation work is carried out by authorised and qualified personnel who are also sufficiently informed from their own detailed study of the installation and operating instructions.
Work on the product/unit may only be carried out when the system is at a standstill. The procedure described in the installation and operating instructions for shutting down the product/unit must be strictly observed.
Immediately after completing work, all safety and protective devices must be put back in position and/or recommissioned.

2.6 Unauthorised modification and manufacture of spare parts

Unauthorised modification and manufacture of spare parts will impair the safety of the product/personnel and void the manufacturer's declarations regarding safety.

- Only carry out modifications to the product following consultation with the manufacturer.
- Only use original spare parts and accessories authorised by the manufacturer.
  The use of other parts will absolve the manufacturer of liability for any consequences arising therefrom.

2.7 Improper use

The operational reliability of the supplied product is only guaranteed if used as intended and in accordance with section 4 of the installation and operating instructions. The limit values must on no account fall under or exceed those values specified in the catalogue/data sheet.

3 Transport and storage

3.1 Scope of delivery

- Wilo-Connect sensor LPWAN
- Additional QR code sticker
- Installation and operating instructions

3.2 Accessories

- Transformer
- External aerial

3.3 Transport inspection

Check delivery immediately for damage and completeness. Where necessary make a complaint immediately.

CAUTION

Damage due to incorrect handling during transport and storage!

Protect the device from moisture, frost and mechanical damage during transport and temporary storage.

For environmental conditions for storage and operation, please refer to the “Technical data” section!

4 Intended use

Communication and measuring unit for pumps and systems with sufficient mobile coverage that is ready for connection. Installation on a TH35 top-hat rail in accordance with DIN EN 60715.

5 Product information

5.1 Type key

Wilo-Connect sensor LPWAN	
Connect sensor	Function interface
LPWAN	= **L**ow **P**ower **W**ide **A**rea **N**etwork Includes the following radio standards for communication and capturing measurement data: NB-IoT and Cat-M1 (LTE-M)

5.2 Technical data

Technical data	
General data	
Housing	Housing for TH35 top-hat rail (DIN EN 60715)
Weight approx.	0.125 kg
Width	18.9 mm
Height	124.3 mm
Depth	95.9 mm (+13 mm aerial socket)
Approved field of application	
Operating temperature range	0 to +50 °C
Operating humidity range	5 – 85% rH, non-condensing
Storage temperature range	-20 to +60 °C
Storage dampness range	5 – 85% rH, non-condensing
Electrical connection	

Technical data	
Voltage	24 V DC SELV (min. 9 V DC/ max. 30 V DC)
Power consumption	max. 3 W
Cable cross-section	0.2 mm² – 1.5 mm² (rigid/flexible)
Electronics	
Electromagnetic compatibility	EN 301489-1, EN 301489-52
IP rating	IP20
Protection class	III
Materials	
Housing	Polyamide
Mobile connectivity	
Max. RF power	23 dBm
Frequency range	698 MHz to 960 Mhz and 1.7 GHz to 2.2 GHz

6 Description and function

The Wilo-Connect sensor LPWAN is a communication and measuring device for remote monitoring of pumps and systems.

Recorded process data from connected current transformers or other sensors are transmitted via LTE-M or NB-IoT.

myWilo users registered with the Wilo-Connect sensor LPWAN can view the transmitted process values in the cloud.

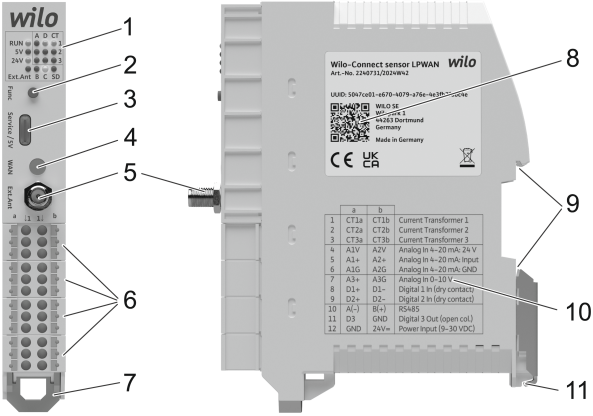


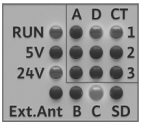
Fig. 1: Overview

Item	Designation	Explanation
1	Diagnostic LEDs	Status display of the device and the attached sensors
2	Buttons	for switching from an internal to external aerial (see section 7.2.2)
3	USB-C connection	Exclusively for service purposes
4	WAN-LED	Status of the mobile connectivity and cloud connection (WAN: wide area network) lights up blue: Cloud connection established, flashes red: Faulty
5	External aerial connection	As an alternative to using the internal aerial (as delivered) to ensure stable mobile connectivity in certain installation situations (e.g. metallic housing) (see section 7.2.2).

6	4x connection terminal blocks	for connecting the supply and signal lines
7	Locking/release mechanism for the terminal blocks	for loosening the terminal blocks for simplified wiring
8	QR code	On the Connect sensor, for registering the product on the Wilo-Monitor
9	Mounting rail fastening	for TH35 top-hat rail (DIN EN 60715)
10	Assignment diagram for the connection terminals	Designation of the supply and signal lines
11	Release mechanism	for loosening the DIN rail

6.1 Diagnostic LEDs

The operating status of the device and the connected sensors are displayed via the LEDs according to the attached connection terminals.



RUN	Operating hours	Green: OK, red: Faulty
5 V	Power supply via the "Service" interface	Green: OK, red: Faulty
24 V	Power supply via 24 V	Green: OK, red: Faulty
A1, A2, A3	Analogue inputs	Lights up when the signal is active
D1, D2	Digital inputs	Lights up when the signal is active
D3	Digital output	
CT1, CT2, CT3	Transformer	Green: when pump is switched on

Ext.Ant.	External aerial activated / internal aerial deactivated	Lights up when external aerial is active (internal aerial inactive)
B	reserved	
C	Indication of mobile reception strength	Green: good, yellow: medium, Red: weak
SD	reserved	

6.2 RS 485 interface

NOTICE

In progress, will be supported in a future software version.

7 Installation and electrical connection

Electrical connection may only be carried out by a qualified electrician and in accordance with the applicable regulations!

When installing the Wilo-Connect sensors LPWAN and cable routing, the applicable regulations and standards for safety extra-low voltage SELV as well as the guideline VDE 0100 part 410 are to be observed!

DANGER

Risk of fatal electrical shock!

Before installation and electrical connection, disconnect the system/switch cabinet from the power supply!

DANGER

Risk of fatal electrical shock!

Avoid dangers caused by electrical currents!

- Local directives and general directives [e.g., IEC, VDE, etc.] and instructions from local energy supply companies must be adhered to.

DANGER

Risk of fatal electric shock!

The Wilo-Connect sensor LPWAN is a built-in device.
To ensure sufficient protection against unpermitted touching of live parts, cover the terminal area after installation and electrical connection.
To this end, install the Wilo-Connect sensor LPWAN in a switch cabinet or distributor box.

WARNING

Personal injury!

• Adhere to existing accident prevention regulations.

7.1 Installation

The Wilo-Connect sensor LPWAN may only be installed in housings with an IP rating sufficient for operation. Local regulations must be observed.

NOTICE

Only install the Wilo-Connect sensor LPWAN on 35 mm DIN rails/top-hat rails in accordance with DIN EN 60715 (Fig. 2).

- The installation must be done horizontally.
- For sufficient convection, a minimum clearance to other modules of 30 mm above and below the Wilo-Connect sensor LPWAN is to be maintained.
- Lateral distances must be considered due to the internal aerial in order to avoid interference. Alternatively, an external aerial can be connected.

... snap onto DIN rail.

... loosen from DIN rail.

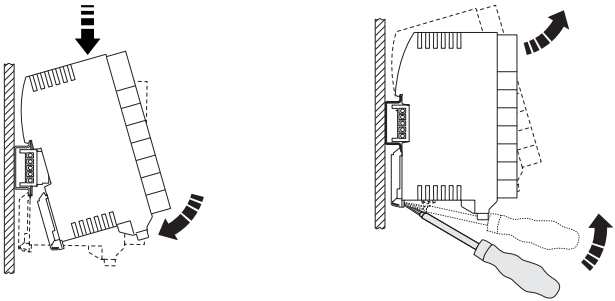


Fig. 2: Installing/dismantling

7.2 Electrical connection

DANGER

Risk of fatal electrical shock!

Electrical connection must be carried out by an electrician authorised by the local energy supply company and in accordance with the applicable local regulations [e.g. VDE regulations].

DANGER

Risk of fatal electrical shock!

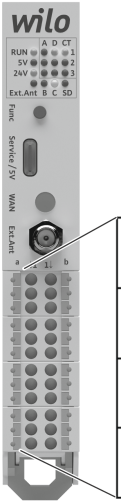
Before installation and electrical connection, disconnect the system/switch cabinet from the power supply!

Wilo-Connect sensor LPWAN connection

DANGER

Risk of personal injury and property damage

- Connecting the mains voltage to one of the following terminals will destroy the product and may result in personal injury and property damage.
- All connected circuits must meet the SELV requirements.



	a	b	
1	CT1a	CT1b	Current Transformer 1
2	CT2a	CT2b	Current Transformer 2
3	CT3a	CT3b	Current Transformer 3
4	A1V	A2V	Analog In 4–20 mA: 24 V
5	A1+	A2+	Analog In 4–20 mA: Input
6	A1G	A2G	Analog In 4–20 mA: GND
7	A3+	A3G	Analog In 0–10 V
8	D1+	D1–	Digital 1 In (dry contact)
9	D2+	D2–	Digital 2 In (dry contact)
10	A(–)	B(+)	RS485
11	D3	GND	Digital 3 Out (open col.)
12	GND	24V=	Power Input (9–30 VDC)

Fig. 3: Terminals/assignment diagram

Terminals/cable (General)

Cable lengths for supply and signal cables must be < 3 m!

Conductor cross-section (rigid/flexible): 0.2 mm² – 1.5 mm²

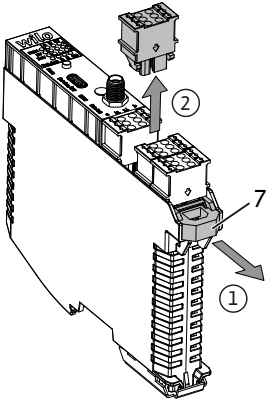
Length of cable to strip: 8 mm

Connect the conductor:

- Press in the orange spring opener with a screwdriver.
- Insert the stripped conductor into the round opening.

NOTICE

To simplify installation, the terminal blocks can be removed from the device after pulling the release mechanism (Fig. 1, Item 7).



Disassembling the terminal block

Cable lengths for supply and signal cables must be ≤ 3 m!

1. Pull the release mechanism (Item 7) forwards until the terminal block is released.
2. Remove the terminal block and connect the cables accordingly.

Once cabling is complete, reconnect the terminal block. An arrow imprinted on the terminal block points in the direction of the locking mechanism.

Fig. 4: Disassembling the terminal block

7.2.1 Connecting the power supply

NOTICE

A separate LPS power supply unit (Limited Power Source < 100 W in accordance with IEC 62368-1) with a corresponding output voltage is required to supply the Wilo-Connect sensor LPWAN with 24 V DC SELV.

Connect the cables from the 24 V DC power supply to terminals 12a and 12b labelled "24V=" and "GND".

7.2.2 Connecting the external aerial

If, in certain installation situations (e.g. in a metal housing), the internal aerial does not guarantee sufficient mobile connectivity, a suitable external aerial can be connected as an alternative (section 6, Item 5).

Requirements for selecting a suitable external aerial:

- Frequency range: 698 MHz to 960 Mhz and 1.7 Ghz to 2.2 Ghz
- Impedance: 50 Ω
- Gain* max. 3.5 dBi
- VSWR < 3
- omnidirectional
- SMA plug

*) The resulting gain from the combination of cable and aerial must comply with local regulatory requirements.

CAUTION

Risk of property damages

Connecting an external aerial connection located on the premises is not permitted!
The maximum permissible cable length ≤ 3 m must not be exceeded.
Switching over to the external aerial may only take place if a suitable aerial is already connected.

To switch to the external aerial, press and hold the button for ≥ 10 seconds (see section 6, Item 2) until the "Ext.Ant" LED lights up.
To reactivate the internal aerial, press the button again until the "Ext.Ant" LED goes out.

7.2.3 Connections/terminal assignment

DANGER

Risk of personal injury and property damage

- Connecting the mains voltage to one of the following terminals will destroy the product and may result in personal injury and property damage.
- All connected circuits must meet the SELV requirements.

CAUTION

Risk of property damages

Connecting external voltage to inputs not intended for this purpose (Fig. 3: 1–4, 8–10) will destroy the product!

Designation	Terminal (Fig. 3)	Description
Current transformer CT1–3	**NOTICE! Only connect current transformers from the Wilo accessories!**	
CT1a / CT1b	1a / 1b	Connection for CT1 current transformer
CT2a / CT2b	2a / 2b	Connection for CT2 current transformer
CT3a / CT3b	3a / 3b	Connection for CT3 current transformer
Analogue input A1 & A2 (4–20 mA)		
A1V / A2V	4a / 4b	24 V DC sensor supply (loop powered) for 4–20 mA sensors without external power supply; maximum current load per current loop: 24 mA
A1+ / A2+	5a / 5b	Analogue input for 4–20 mA, current loop A1 and A2. Load of the analogue input: ≤ 300 Ohm **CAUTION! No internal current limitation for externally supplied sensors!**
A1G / A2G	6a / 6b	Earth connection for 4–20 mA, current loop A1 and A2
Analogue input A3 (0–10 V)		

Designation	Terminal (Fig. 3)	Description
A3+	7a	Analogue input A3 for 0–10 V, load resistor: ≥ 10 kOhm
A3G	7b	Earth connection for analogue input A3
Digital input D1 & D2		
D1+ / D1–	8a / 8b	Digital input 1 for connecting external potential-free contacts (e.g. switches or relays)
D2+ / D2–	9a / 9b	Digital input 2 for connecting external potential-free contacts (e.g. switches or relays)
Digital output D3	**NOTICE! The availability of this interface depends on the software version!**	
D3	11a	Digital open collector output, max. 500 mA, max. 36 V
GND	11b	Earth connection for the digital output D3
RS485	**NOTICE! The availability of this interface depends on the software version!**	
A(–)	10a	Inverted signal line A according to EIA-485
B(+)	10b	Non-inverted signal line B according to EIA-485
Power supply		
24V=	12b	24 V DC (9 – 30 V DC)
GND	12a	Earth connection for the power supply

7.2.4 Connection / handling of current transformers

NOTICE

The current transformers and Wilo-Connect sensor LPWAN are matched to each other.
Only use current transformers from the Wilo accessories.
Observe the enclosed documentation for the current transformer!

7.2.5 Additional connections

USB-C connection

NOTICE

This interface is intended for service purposes only!

8 Commissioning

When the Wilo-Connect sensor LPWAN is commissioned, it is possible to view the operating status of the devices connected to the sensor via the Wilo-Cloud.
Operating data cannot be changed!

Scan the QR code on the side of the device and follow the instructions on the linked website iotconnect.wilo.com.

NOTICE

Installing the device in a way that is cramped can restrict access to the QR code.

- An extra sticker with the QR code is enclosed with the product and can be stuck in a suitable place (e.g. switch cabinet door).
- It is recommended to carry out the registration before installation.

9 Maintenance

The Wilo-Connect sensor LPWAN described in these instructions is basically maintenance-free.

10 Faults, causes, remedies

Repair work may only be carried out by qualified personnel!

DANGER

Risk of fatal electric shock!

Ensure there are no risks arising from electrical current!
• The Wilo-Connect sensor LPWAN must be voltage-free and secured against unauthorised reactivation prior to any repair work.
• Damage to the mains connection cable may only be repaired by a qualified electrician.

Regular updates to support troubleshooting and rectification at:
iotconnect.wilo.com

11 Spare parts

Original spare parts may only be obtained from local installers and/or Wilo customer service. To avoid queries and order errors, please provide all data on the rating plate with every order.

12 Disposal

12.1 Information on the collection of used electrical and electronic products

Proper disposal and appropriate recycling of this product avoids environmental damage and risks to personal health.

NOTICE

Disposal in domestic waste is prohibited!

In the European Union this symbol may be included on the product, the packaging or the accompanying documentation. It means that the electrical and electronic products in question must not be disposed of along with domestic waste.

Please note the following points to ensure proper handling, recycling and disposal of the used products in question:

- Hand over these products at designated, certified collection points only.
- Observe the locally applicable regulations!

Please consult your local municipality, the nearest waste disposal site, or the dealer who sold the product to you for information on proper disposal. Further recycling information at http://www.wilo-recycling.com.

Subject to change without prior notice!

13 Appendix

Licence information

Some software components are based on open-source components:

Zephyr OS: Apache 2.0 licence
(Source: https://www.apache.org/licenses/LICENSE-2.0.html)

Components used by Zephyr OS (see
https://docs.zephyrproject.org/latest/LICENSING.html#zephyr-licensing)

scripts/{checkpatch.pl,checkstack.pl,spelling.txt}
Origin: Linux Kernel
Licensing: GPLv2 License

scripts/{coccicheck,coccinelle/array_size.cocci,coccinelle/deref_null.cocci,coccinelle/deref_null.cocci,coccinelle/deref_null.cocci,coccinelle/mini_lock.cocci,cocci-nelle/mini_lock.cocci,coccinelle/mini_lock.cocci,coccinelle/noderef.cocci,coccinelle/noderef.cocci,coccinelle/returnvar.cocci,coccinelle/semicolon.cocci}
Origin: Coccinelle
Licensing: GPLv2 License

subsys/testsuite/coverage/coverage.h
Origin: GCC, the GNU Compiler Collection
Licensing: GPLv2 License with Runtime Library Exception

boards/ene/kb1200_evb/support/openocd.cfg
Licensing: GPLv2 License

Information regarding the GPL/LGPL licences can be found at www.gnu.org. For anyone interested, the source code of the GPL/LGPL software components used can be sent on a data carrier by post. Contact via e-mail (to wilo@wilo.com), telephone (call number +49 231 4102-0) or by post. This offer is valid for a period of three years after the final delivery of the product.

You can find the English version of the GPL V2 licence texts online
(Source: https://www.gnu.org/licenses/gpl-2.0.html)

DECLARATION OF CONFORMITY
KONFORMITÄTSERKLÄRUNG

We, the manufacturer, declare under our sole responsibility that the products of the series,
Als Hersteller erklären wir unter unserer alleinigen Verantwortung, dass die Produkte der Baureihen,

Wilo-Connect sensor LPWAN

(The serial number is marked on the product site plate)
(Die Seriennummer ist auf dem Typenschild des Produktes angegeben)

in their delivered state comply with the following relevant directives and with the relevant national legislation:
in der gelieferten Ausführung folgenden einschlägigen Bestimmungen entsprechen 'und entsprechender nationaler Gesetzgebung:

_ 2014/35/EU - LOW VOLTAGE
_ 2014/35/EU - NIEDERSPANNUNGSRICHTLINIE

_ 2014/53/EU - RADIO EQUIPMENT - DIRECTIVE
_ 2014/53/EU - FUNKANLAGEN - RICHTLINIE

_ 2011/65/EU + 2015/863 - RESTRICTION OF THE USE OF CERTAIN HAZARDOUS SUBSTANCES
_ 2011/65/EU + 2015/863 - BESCHRÄNKUNG DER VERWENDUNG BESTIMMTER GEFÄHRLICHER STOFFE-RICHTLINIE

comply also with the following relevant standards:
sowie auch den Bestimmungen zu folgenden harmonisierten europäischen Normen:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

Person authorized to compile the technical file is:
Bevollmächtigter für die Zusammenstellung der technischen Unterlagen ist:

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund, Deutschland

Dortmund, 2024-12-12

Signiert von:
i. V. Christoph Teschers
6390AFA148A744C...

Christoph TESCHERS
Group Vice President - Product Quality

wilo

WILO SE
Wilopark 1
D-44263 Dortmund, Deutschland

Declaration n°2223957-rev04

PC As-Sh n°2234767-EU-rev01

ORIGINAL DECLARATION / ORIGINAL-ERKLÄRUNG

F-CQ-313-46

EL

Επίσημη μετάφραση της Διακήρυξης

Εμείς, ο κατασκευαστής, δηλώνουμε με αποκλειστικά δική μας ευθύνη ότι τα προϊόντα της σειράς,

(Ο σειριακός αριθμός σημειώνεται στο ταμπελάκι του προϊόντος)

Wilo-Connect sensor LPWAN

στην κατάσταση παράδοσης συμμορφώνονται με τις ακόλουθες σχετικές οδηγίες και τη σχετική εθνική νομοθεσία:

|| 2014/35/EU - Χαμηλής Τάσης || 2014/53/EU - Ραδιοεξοπλισμού || 2011/65/EU + 2015/863 - για τον περιορισμό της χρήσης ορισμένων επικίνδυνων ουσιών

συμμορφώνεται επίσης με εναρμονισμένα πρότυπα:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Πρόσωπο εξουσιοδοτημένο να συντάξει το τεχνικό αρχείο είναι:

ES

Traducción oficial de la Declaración

Nosotros, el fabricante, declaramos bajo nuestra exclusiva responsabilidad que los productos de la(s) serie(s)

(El nº de serie está marcado en la placa de características del producto)

Wilo-Connect sensor LPWAN

cumple en la ejecución suministrada las siguientes disposiciones pertinentes y la legislación nacional correspondiente:

|| 2014/35/EU - Baja Tensión || 2014/53/EU - Equipos radioeléctricos || 2011/65/EU + 2015/863 - Restricciones a la utilización de determinadas sustancias peligrosas

así como las disposiciones de las siguientes normas europeas armonizadas:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Persona autorizada para la recopilación de los documentos técnicos:

FR

Traduction officielle de la déclaration

Nous, fabricant, déclarons sous notre seule responsabilité que les produits des séries,

Le numéro de série est inscrit sur la plaque signalétique du produit)

Wilo-Connect sensor LPWAN

dans leur état de livraison sont conformes aux dispositions des directives suivantes et aux législations nationales les transposant :

|| 2014/35/EU - BASSE TENSION || 2014/53/EU - EQUIPEMENTS RADIOELECTRIQUES || 2011/65/EU + 2015/863 - LIMITATION DE L'UTILISATION DE CERTAINES SUBSTANCES DANGEREUSES

sont également conformes aux dispositions des normes européennes harmonisées suivantes :

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Personne autorisée à constituer le dossier technique est :

IT

Traduzione ufficiale della Dichiarazione

Noi, produttori, dichiariamo sotto la nostra esclusiva responsabilità che i prodotti della serie,

(Il numero di serie è riportato sulla targhetta del sito del prodotto)

Wilo-Connect sensor LPWAN

allo stato di consegna sono conformi alle seguenti direttive pertinenti e alla legislazione nazionale pertinente:

|| 2014/35/EU - Bassa Tensione || 2014/53/EU - Apparecchiature radio || 2011/65/EU + 2015/863 - sulla restrizione dell'uso di determinate sostanze pericolose

rispettare anche le seguenti norme pertinenti:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

La persona autorizzata a compilare il fascicolo tecnico è:

PT

Tradução oficial da Declaração

Nós, o fabricante, declaramos sob nossa exclusiva responsabilidade que o(s) produto(s) da(s) série(s),

(O nº de série está marcado na placa de características do produto)

Wilo-Connect sensor LPWAN

está em conformidade com a versão fornecida nas seguintes disposições relevantes e de acordo com a legislação nacional

|| 2014/35/EU - Baixa Voltagem || 2014/53/EU - Equipamentos de rádio || 2011/65/EU + 2015/863 - relativa à restrição do uso de determinadas substâncias perigosas

assim como as seguintes disposições das normas europeias

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Pessoa autorizada para a elaboração de documentos técnicos:

DA — Officiel oversættelse af erklæringen

Vi, producenten, erklærer under vores eneansvar, at produkterne i serien,

(Serienummeret er markeret på produktpladen) **Wilo-Connect sensor LPWAN**

i deres leverede tilstand overholde følgende relevante direktiver og den relevante nationale lovgivning:

|| 2014/35/EU - Lavspændings || 2014/53/EU - Radioudstyr || 2011/65/EU + 2015/863 - Begrænsning af anvendelsen af visse farlige stoffer

også overholde følgende relevante standarder:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Person, der er autoriseret til at udarbejde den tekniske fil, er:

ET — Deklaratsiooni ametlik tõlge

Meie, tootja, kuulutame ainuisikulisel vastutusel, et seeria tooted,

(Seerianumber on märgitud toote saidi plaadile) **Wilo-Connect sensor LPWAN**

oma tarnitud olekus järgima järgmisi asjakohaseid direktiive ja asjakohaseid siseriiklikke õigusakte:

|| 2014/35/EU - Madalpingeseadmed || 2014/53/EU - Raadioseadmete || 2011/65/EU + 2015/863 - teatavate ohtlike ainete kasutamise piiramise kohta

vastama ka järgmistele asjakohastele standarditele:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Tehnilise toimiku koostamiseks on volitatud isik:

FI — Julistuksen virallinen käännös

Valmistaja vakuuttaa yksinomaisella vastuullaan, että sarjan tuotteet,

(Sarjanumero on merkitty tuotekohtaiseen kilpeen) **Wilo-Connect sensor LPWAN**

toimitetussa tilassa noudattavat seuraavia asiaankuuluvia direktiivejä ja asiaa koskevaa kansallista lainsäädäntöä:

|| 2014/35/EU - Matala Jännite || 2014/53/EU - Radiolaitteet || 2011/65/EU + 2015/863 - tiettyjen vaarallisten aineiden käytön rajoittamisesta

noudattamaan myös seuraavia asiaankuuluvia standardeja:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Henkilö, jolla on valtuudet koota tekninen tiedosto, on:

IS — Opinber þýðing á yfirlýsingunni

Við framleiðandinn lýsum því yfir undir ábyrgð okkar einungis að vörur í flokknum,

(Raðnúmerið er merkt á plötunni á vörustaðnum) **Wilo-Connect sensor LPWAN**

í afhentu ástandi í samræmi við eftirfarandi viðeigandi tilskipanir og viðeigandi innlenda löggjöf:

|| 2014/35/EU - Lágspennutilskipun || 2014/53/EU - Útvarpstæki || 2011/65/EU + 2015/863 - Takmörkun á notkun tiltekinna hættulegra efna

uppfylla einnig eftirfarandi viðeigandi staðla:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Sá sem hefur heimild til að taka saman tækniskrána er:

LT — Oficialus deklaracijos vertimas

Mes, kaip gamintojas, savo atsakomybės ribose deklaruojame, kad šios serijos produktai,

(Serijos numeris pažymėtas ant produkto lentelės) **Wilo-Connect sensor LPWAN**

taip kaip pristatyti, atitinka sekančias aktualias direktyvas ir nacionalines teisės normas bei reglamentus:

|| 2014/35/EU - Žema įtampa || 2014/53/EU - Radijo įranga || 2011/65/EU + 2015/863 - dėl tam tikrų pavojingų medžiagų naudojimo apribojimo

taip pat atitinka sekančius aktualius standartus:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Asmuo įgaliotas sudaryti techninius dokumentus yra:

LV — Deklarācijas oficiālais tulkojums

Mēs, ražotājs, ar pilnu atbildību paziņojam, ka sērijas produkti,

(Sērijas numurs ir norādīts uz izstrādājuma plāksnītes) **Wilo-Connect sensor LPWAN**

piegādātāja valstī atbilst šādām attiecīgām direktīvām un attiecīgiem valsts tiesību aktiem:

|| 2014/35/EU - Zemsprieguma || 2014/53/EU - Radioiekārtas || 2011/65/EU + 2015/863 - par dažu bīstamu vielu izmantošanas ierobežošanu 2011/65/UE

atbilst arī sekojošiem attiecīgiem standartiem:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Persona pilnvarota sastādīt tehnisko dokumentāciju:

NL — Officiële vertaling van de verklaring

Wij, de fabrikant, verklaren onder onze eigen verantwoordelijkheid dat de producten van de serie,

(Het serienummer staat vermeld op het naamplaatje van het product) **Wilo-Connect sensor LPWAN**

in de geleverde versie voldoen aan de volgende relevante bepalingen en aan de overeenkomstige nationale wetgeving:

|| 2014/35/EU - Laagspannings || 2014/53/EU - Radioapparatuur || 2011/65/EU + 2015/863 - betreffende beperking van het gebruik van bepaalde gevaarlijke stoffen

voldoen ook aan de volgende relevante normen:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

De persoon die bevoegd is om het technische bestand samen te stellen is:

NO — Offisiell oversettelse av erklæring

Vi som produsent erklærer herved vårt ansvar at pumper under type serie,

(serienummeret er markert på pumpeskilt) **Wilo-Connect sensor LPWAN**

I levert tilstand vil produkt overholde følgende direktiver og relevant nasjonal lovgivning

|| 2014/35/EU - Lavspenningsdirektiv || 2014/53/EU - Direktiv radioutstyr og teleterminalutstyr || 2011/65/EU + 2015/863 - Begrensning av bruk av visse farlige stoffer

Oppfølger også relevante standarder

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Vedkommendesom er autorisert til å sammenstille teknisk fil er:

SV — Officiell översättning av försäkran

Vi, tillverkaren, försäkrar under eget ansvar att produkterna i serien

(Serienumret finns utmärkt på produktens dataskylt) **Wilo-Connect sensor LPWAN**

i det utförande de levererades överrenstämmer med följande relevanta direktiv och relevant nationell lagstiftning

|| 2014/35/EU - Lågspännings || 2014/53/EU - Radioutrustning || 2011/65/EU + 2015/863 - begränsning av användning av vissa farliga ämnen

överrenstämmer också med följande relevanta standarder:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Person behörig att sammanställa denna tekniska fil är:

GA — Eadar-theangachadh oifigeil den Ghairm

Bidh sinn, an neach-dèanamh, a 'foillseachadh fon aon uallach againn gu bheil toraidhean an t-sreath,

(Tha an àireamh sreathach air a chomharrachadh air clàr làrach an toraidh) **Wilo-Connect sensor LPWAN**

anns an stàit ìbhrigidh aca gèilleadh ris na stiùiridhean buntainneach a leanas agus ris an reachdas nàiseanta buntainneach:

|| 2014/35/EU - Ìsealvoltais || 2014/53/EU - Trealamh raidió || 2011/65/EU + 2015/863 - Srian ar an úsáid a bhaint as substaintí guaiseacha acu

gèilleadh cuideachd ris na h-inbhean iomchaidh a leanas:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Is e an neach le ùghdarras am faidhle teicnigeach a chur ri chèile:

BG — Официален превод на Декларация

Ние, като производител, декларираме на собствена отговорност, че продуктите от серията,

Серийните номера са обозначени на табелата на продукта

Wilo-Connect sensor LPWAN

В доставения им вид са в съответствие приложимите за държавата директиви и законодателство

|| 2014/35/EU - Ниско Напрежение || 2014/53/EU - Радиооборудване || 2011/65/EU + 2015/863 - относно ограничението за употребата на определени опасни вещества

Също така отговарят на следните изискуеми норми:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Лицето, упълномощено да състави техническия доклад е:

CS — Oficiální překlad Prohlášení

My, výrobce, prohlašujeme na základě naší jediné odpovědnosti, že produkty této řady,

(Sériové číslo je uvedeno na výrobním štítku)

Wilo-Connect sensor LPWAN

ve svém dodaném stavu dodržovat následující relevantní směrnice a příslušnou národní legislativu:

|| 2014/35/EU - Nízké Napětí || 2014/53/EU - Rádiová zařízení || 2011/65/EU + 2015/863 - Omezení používání některých nebezpečných látek

dodržovat také následující relevantní normy:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Osoba oprávněná sestavit technickou dokumentaci je:

HR — Službeni prijevod Deklaracije

Mi, proizvođač, izjavljujemo pod isključivom odgovornošću da proizvodi serije,

(Serijski broj je označen na tipskoj pločici proizvoda)

Wilo-Connect sensor LPWAN

u isporučenom stanju odgovara sljedećim relevantnim direktivama i relevantnom nacionalnom zakonodavstvu:

|| 2014/35/EU - Smjernica o niskom naponu || 2014/53/EU - Radio oprema || 2011/65/EU + 2015/863 - ograničenju uporabe određenih opasnih tvari

u skladu također i sa sljedećim relevantnim standardima:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Osoba ovlaštena za sastavljanje tehničke dokumentacije:

HU — A Nyilatkozat hivatalos fordítása

Mi, a gyártó, saját felelősségünkre kijelentjük, hogy a sorozat termékei,

(A sorozatszámot a termék adattábláján feltüntetik)

Wilo-Connect sensor LPWAN

leszállított kivitelükben feleljenek meg a következő vonatkozó irányelveknek és a vonatkozó nemzeti irányelveknek

|| 2014/35/EU - Alacsony Feszültségű || 2014/53/EU - Rádióberendezések || 2011/65/EU + 2015/863 - egyes veszélyes való alkalmazásának korlátozásáról

megfeleljen a következő vonatkozó előírásoknak is:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

A műszaki dokumentáció összeállítására jogosult személy:

PL — Oficjalne Tłumaczenie Deklaracji Zgodności

Producent oświadcza na wyłączną odpowiedzialność, że produkty z serii

(Numer seryjny znajduje się na tabliczce znamionowej produktu)

Wilo-Connect sensor LPWAN

w stanie dostarczonym są zgodne z następującymi dyrektywami i przepisami krajowymi mającymi zastosowanie:

|| 2014/35/EU - Niskich Napięć || 2014/53/EU - Urządzeń radiowe || 2011/65/EU + 2015/863 - sprawie ograniczenia stosowania niektórych niebezpiecznych substancji

są również zgodne z następującymi specyfikacjami technicznymi mającymi zastosowanie:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Osoba upoważniona do sporządzenia dokumentacji technicznej:

RO

Traducere oficială a Declarației

Noi, producătorul, declarăm sub responsabilitatea noastră exclusivă că produsele din seria

(Numărul serial este marcat pe plăcuța de identificare a produsului)

Wilo-Connect sensor LPWAN

în starea lor livrată, respectă următoarele directive relevante și legislația națională relevantă:

|| 2014/35/EU - Joasă Tensiune || 2014/53/EU - Echipamente radio || 2011/65/EU + 2015/863 - privind restricțiile de utilizare a anumitor substanțe periculoase

sunt conforme, de asemenea, cu următoarele standarde relevante

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Persoana autorizată sa compileze dosarul tehnic este:

SK

Oficiálny preklad vyhlásenia

My, výrobca, na vlastnú zodpovednosť vyhlasujeme, že výrobky série,

(Sériové číslo je uvedené na štítku s výrobkom)

Wilo-Connect sensor LPWAN

v dodanom stave zodpovedajú nasledujúcim relevantným smerniciam a príslušným národným právnym predpisom:

|| 2014/35/EU - Nízkonapäťové zariadenia || 2014/53/EU - Rádiové zariadenia || 2011/65/EU + 2015/863 - obmedzení používania určitých nebezpečných látok

spĺňať aj nasledujúce relevantné normy:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Osoba oprávnená zostaviť technickú dokumentáciu je:

SL

Uradni prevod izjave

Mi, kot proizvajalci, z polno odgovornostjo izjavljamo, da izdelki te serije,

(Serijska številka je označena na napisni tablici izdelka)

Wilo-Connect sensor LPWAN

v stanju dostave ravnajo v skladu z naslednjimi ustreznimi direktivami in ustrezno nacionalno zakonodajo:

|| 2014/35/EU - Nizka Napetost || 2014/53/EU - Radijska oprema || 2011/65/EU + 2015/863 - o omejevanju uporabe nekaterih nevarnih snovi

izpolnjujejo tudi naslednje ustrezne standarde:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Oseba, pooblaščena za sestavo tehnične datoteke, je:

TR

CE Uygunluk Beyanı

Biz üretici olarak, bu seri ürünlerin tamamen kendi sorumluluğumuz altında olduğunu beyan ederiz.

Seri numarası ürünün üzerindedir.

Wilo-Connect sensor LPWAN

teslim edildiği şekliyle aşağıdaki ilgili hükümler ile uyumludur;

|| 2014/35/EU - Alçak Gerilim Yönetmeliği || 2014/53/EU - Tagħmir tar-radju || 2011/65/EU + 2015/863 - Belirli tehlikeli maddelerin bir kullanımını sınırlandıran

İlgili uyumlaştırılmış Avrupa standartları;

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Teknik dosyayı düzenleyen yetkili kişi;

MT

Traduzzjoni uffiċjali tad-Dikjarazzjoni

Aħna, il-manifattur, niddikjaraw taħt ir-responsabbiltà unika tagħna li l-prodotti tas-serje,

(In-numru tas-serje huwa mmarkat fuq il-pjanċa tas-sit tal-prodott)

Wilo-Connect sensor LPWAN

fl-istat meqjugħa tagħhom jikkonformaw mad-direttivi rilevanti li ġejjin u mal-leġislazzjoni nazzjonali relevanti:

|| 2014/35/EU - Vultaġġ Baxx || 2014/53/EU - Tagħmir tar-radju || 2011/65/EU + 2015/863 - dwar ir-restrizzjoni tal-użu ta' ċerti sustanzi perikolużi

jikkonformaw ukoll mal-istandards rilevanti li ġejjin:

EN IEC 62368-1:2020+A11:2020; EN IEC 62311:2020;
EN 301 908-1 V15.2.1; EN 301 908-13 V13.2.1; EN 301 489-1 V2.2.3; EN 301489-52 V1.2.1;
EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1
D-44263 Dortmund,
Deutschland

Persuna awtorizzata biex tiġbor il-fajl tekniku hija:

DECLARATION OF CONFORMITY

We, the manufacturer, declare under our sole responsibility that the products of the series,

Wilo-Connect sensor LPWAN

(The serial number is marked on the product site plate)

in their delivered state comply with the following relevant directives and with the relevant national legislation:

_ Electrical Equipment (Safety) Regulations (SI 2016 No. 1101) amended

_ Radio Equipment Regulations (SI 2017 No. 1206) amended

_ Restriction of the Use of Certain Hazardous Substances (RoHS) in Electrical and Electronic Equipment Regulations (SI 2012 No. 3032) amended

comply also with the following relevant standards:

**BS EN IEC 62311:2020; BS EN IEC 62368-1:2020+A11:2020;
ETSI EN 301 908-1 V15.2.1; ETSI EN 301 908-13 V13.2.1;
ETSI EN 301 489-1 V2.2.3; ETSI EN 301489-52 V1.2.1;
BS EN IEC 63000:2018;**

Person who places the product on the market:

Wilo (UK) Ltd
2nd Avenue, Centrum 100
Burton upon Trent - DE14 2WJ
Staffordshire - United Kingdom

Dortmund, 2024-12-12

Signiert von:
i. V. Christoph Teschers
6390AFA148A744C...

Christoph TESCHERS
Group Vice President - Product Quality

WILO SE
Wilopark 1
D-44263 Dortmund, Deutschland

Declaration n°2223958-rev04

PC As-Sh n°2234767-GB-rev01

ORIGINAL DECLARATION /

F_QQ_03 #46

wilo

Local contact at
www.wilo.com/contact

WILO SE
Wilopark 1
44263 Dortmund
Germany
T +49 (0)231 4102-0
T +49 (0)231 4102-7363
wilo@wilo.com
www.wilo.com

Pioneering for You