Pioneering for You

Wilo-Connect module BMS

en Installation and operating instructions

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Connect module BMS
https://qr.wilo.com/1680

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 of electric voltage

 Warning – hot surfaces

 Danger for electrostatic sensitive components (ESD)

 Notices

2.2 Personnel qualifications

Staff must:

- be instructed about locally applicable regulations governing accident prevention,

- have read and understood the installation and operating instructions.

Personnel must have the following qualifications:

- Electrical work: a qualified electrician must carry out the electrical work.
- The product must be operated by persons who have been instructed on how the complete system functions.
- Maintenance work: The technician must be familiar with the use of operating fluids and their disposal.

Definition of "qualified electrician"

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

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 knowledge 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 module BMS
- Installation and operating instructions

3.2 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 product from moisture, frost and mechanical damage during transport and temporary storage.

Protect the product against temperatures outside the range of -30 °C to +70 °C.

Only store in original packaging.

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4 Intended use

- The Wilo-Connect module BMS is designed for external control and operating status signalling of Wilo pumps.
- The Wilo-Connect module BMS is **not** designed for safety-related deactivation of the pump.

DANGER

Risk of fatal electrical shock!

If used improperly, there is danger of death due to electric shock!
- Never use the control inputs for safety functions.
- Never install the module in non-compatible devices.

4.1 Compatibility of the firmware

The module's full range of functions is only guaranteed for pumps with Wilo-Connectivity Interface:

Pump	Comments
Wilo-Stratos PICO Wilo-Stratos PICO plus	with Wilo-Connectivity Interface (model from 2022)
Wilo-Stratos PICO-Z	with Wilo-Connectivity Interface (model from 2023)

NOTICE

When the module is installed, the software version of the module can be called up via the "SW version" menu and is shown on the pump display.

For compatibility with products not listed above, see www.wilo.de/automation (German), www.wilo.com/automation (English).

5 Product information

5.1 Type key

Example: Wilo-Connect module BMS	
Connect module	Function interface
BMS	= for Building Management Systems

5.2 Technical data

Technical data	
General data	
Ambient temperature	-10 °C to +60 °C
Storage temperature	-30 °C to +70 °C
Protection class	IP55
Module mating cycles	Max. 50
Terminal cross-section	Max. 1.5 mm^2 (solid or finely stranded without end sleeves)
Electric circuit	SELV, galvanically isolated

Technical data	
SSM/SBM interface relay output	
Cable length	200 m (max.)
Version	Potential-free
Safety in accordance with EN 60335	Mains voltage up to 230 V *)
Voltage range	5 ... 250 V AC 12 ... 30 V DC
Current load	AC: 5 A max. AC1 DC: 5 A max. DC1
Digital input (configurable)	
Interface	For potential-free contact, or 24 V DC input voltage
Cable length	200 m (max.)
Version	SELV, isolated
No-load voltage	Min. 3.3 V
Dielectric strength	Max. 30 V DC
Loop current	Approx. 3.3 mA
Analogue input 0-10	
Version*	SELV, isolated
Cable length	200 m (max.)
Input resistance	> 10 kOhm
Voltage range	0 ... 10 V
Accuracy	5% absolute
Dielectric strength	Max. 24 V DC

*) When connecting to IT networks (Isolé Terre electrical system), always make sure that the voltage between the live wires (L1-L2, L2-L3, L3-L1) does not exceed 230 V. In case of fault (earth fault), the voltage between the live wire and PE must not exceed 230 V.

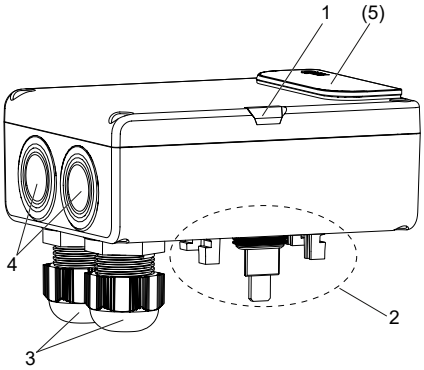
6 Description and function

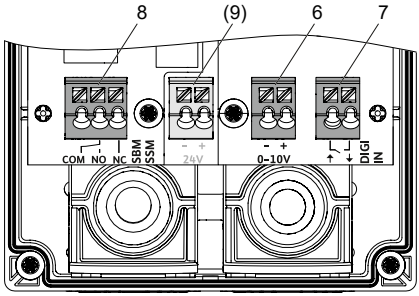
The Wilo-Connect module BMS adds communication interfaces for controlling and reporting operating states to the pump.

The module is connected to the pump via the Wilo-Connectivity Interface (slot for external modules).

NOTICE

Observe the installation and operating instructions of the respective pump!





Item	Designation	Explanation
1	LED (display of the operating status)	lights up green: module is ready for operation
2	Plug connection (lockable)	to the Wilo-Connectivity Interface of the pump
3	2 threaded cable glands	M 20, pre-assembled in vertical alignment
4	Alternative cable connection	for threaded cable glands in horizontal alignment
(5)	Wilo-Connectivity Interface	slot for supplementary modules (planned expansion)
6	Analogue input 0–10 V	for setpoint adjustment with corresponding control mode
7	Digital input (configurable)	for potential-free contact or 24 V
8	Digital output	as changeover contact relay (SSM/SBM)
(9)	Input 24 V	external power supply (planned extension)

The following communication interfaces are available and are set via the pump controls:

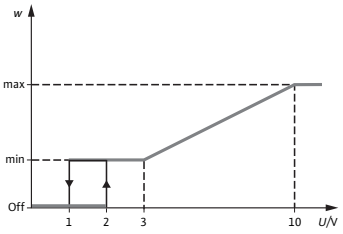
6.1 Analogue input 0–10 V

Depending on the set control mode, the pump setpoint is adjusted via the 0–10 V signal.
The 0–10 V signal can be interpreted in different ways.

NOTICE

Transfer curves

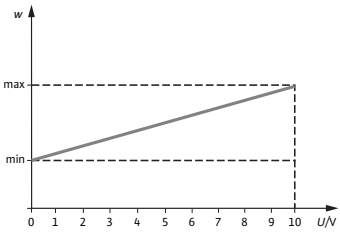
The specification “w” in the following transfer curves refers to the setting of the setpoints for delivery head, speed and temperature.



0–10V with off

Setpoint adjustment of the selected control mode with switching off the pump.

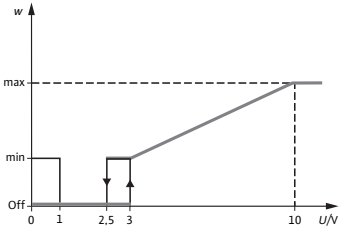
U < 1 V: Pump stops
2 V < U < 3 V: Pump runs at minimum setpoint (start)
1 V < U < 3 V: Pump runs at minimum setpoint (operation)
3 V < U <10 V: Setpoint varies between minimum and maximum value (linear)



0–10V no off

Setpoint adjustment of the selected control mode without switching off the pump.

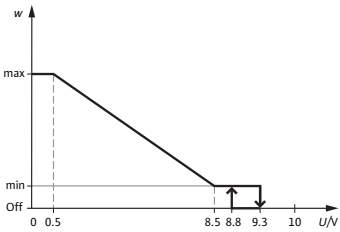
0 V < U < 10 V: Setpoint varies between minimum and maximum value (linear)



2–10V CB detec.

Setpoint adjustment of the selected control mode with cable break detection.

U < 1 V: Cable break detected; pump runs at configured setpoint (emergency operation)
1 V < U < 2.5 V: Pump stops
2.5 V < U < 3 V: Pump runs at minimum setpoint
3 V < U <10 V: Setpoint varies between minimum and maximum value (linear)



10–0V solar

Setpoint adjustment of the selected control mode.

U < 0.5 V: Pump runs at maximum setpoint
0.5 V < U < 8.5 V: Setpoint decreases linearly from maximum to minimum value
8.5 V < U < 9.3 V: Pump runs at minimum setpoint (operation)
8.5 V < U < 8.8 V: Pump runs at minimum setpoint (start)
9.3 V < U < 10 V: Pump stops

6.2 Digital input

Input for potential-free contact or 24 V digital signal of an external control (e.g. PLC).

The following functions can be selected and activated via the digital input of the module:

Ext. OFF:
- Contact open (or 0 V applied): Pump off.
- Contact closed (or 24 V applied): Pump is working in control mode.

Ext. MIN:
- Contact open (or 0 V applied): Pump is working in control mode.
- Contact closed (or 24 V applied): Pump runs at set, reduced speed (night setback).

Ext. MAX:
- Contact open (or 0 V applied): Pump is working in control mode.
- Contact closed (or 24 V applied): Pump is running with maximum speed.

6.3 Digital output (changeover contact relay)

The relay signals operating states depending on the configuration. The following functions can be selected:

SSM:

The signal for the collective fault signal (SSM) is available at the potential-free NC contact (COM – NC).
SSM can only signal as fault “SSM only errors”, or fault and warnings “SSM err & warn.”. The selection is made in the configuration of the module via the pump controls.

- Contact closed: Pump is working in the specified operating mode or is de-energised.
- Contact open: Pump has a fault.

SBM:

The signal for the collective run signal (SBM) is available at the potential-free normally open contact (COM - NO).
SBM can signal different operating states. The selection is made in the configuration of the module via the pump controls.

- Contact closed: Pump signals the desired operation or the selected operational readiness.
- Contact open: Selected operational readiness or selected operation is not in place.

6.4 Other functions

Pump kick

Prevents deposits that can form during prolonged downtime.
If the pump is switched off via the control input with the Ext. OFF function or 0-10 V, it is started for a short time every day during downtime.
Voltage must be applied to the pump at all times for this function to be activated.

LED

The Wilo-Connect module BMS has an LED to indicate the operating status.

- Green: Module is ready for operation
- Off: Module is not ready for operation

Extensions under preparation

The following extensions are under preparation and still don't work:

- **Wilo-Connectivity Interface**
  Slot for additional modules (below the lockable module cover)
  CAUTION! Do not connect any modules !

- **Input 24 V**
  Connection for external power supply 24 V
  CAUTION! Do not connect any voltage !

7 Installation and electrical connection

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

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 electrical shock!

Before all work deactivate power supply and guard against accidental switch-on. Due to the presence of dangerous contact voltage, work on the control module must not be started until 5 minutes have elapsed.

- Check whether all connections (including potential-free contacts) are voltage-free.
- Never reach into the open control module and never drop or insert objects into the opening.
- Never switch on the pump if the cover or the module is not properly attached.

WARNING

Risk of personal injury!

- Adhere to existing accident prevention regulations.

WARNING

Risk of burns from hot surfaces!

Pump housing and glandless motor can get hot and cause burns when touched.

- Only touch the control module during operation.
- Allow the pump to cool down before commencing any work.

NOTICE

Observe the installation and operating instructions of the respective pump!

7.1 Installation

The installation of the Wilo-Connect module is described in the Stratos PICO installation and operating instructions.

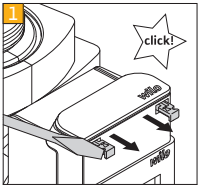
CAUTION

Moisture and leakage water can destroy the control module.

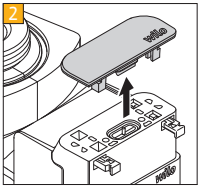
Only work on an open module in a dry environment.

The Wilo-Connect module BMS is plugged into the Wilo-Connectivity Interface, below the lockable module cover of the pump:

- Open module cover



- Using a screwdriver, pull out the latches on both sides of the module cover (1).



- Carefully remove the module cover (2) and store it in a safe place.

- Remove the dust cap from the plug contact.
- Carefully attach the Connect module.
- Push the latches on both sides of the module cover back in until they click into place.

NOTICE

The IP protection of the pump is only guaranteed with a fully locked module.

Fixation with screws

Optionally, the Wilo-Connect module BMS can be fixed with the self-tapping screws included in the scope of delivery.

CAUTION

Property damage due to electrostatic discharge.

Electrostatic discharges can destroy sensitive electronic components.

- Observe measures for handling electrostatic sensitive components (EDS)!

Loosen the 4 screws of the module cover and remove the cover:

- Remove the two upper printed circuit boards in the module.
  - This makes the 2 screw domes next to the plug contact accessible.
- Position the module in the slot provided.
- Insert the self-tapping screws through the screw domes and screw the module housing to the product.
- Then close the two screw domes with the plugs included in the scope of delivery.
- Professionally reinstall the two printed circuit boards.

7.2 Electrical connection

DANGER

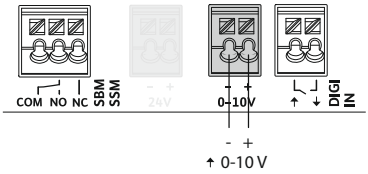
Risk of fatal electrical shock!

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].

- Carry out installation as described in the previous section.
- Carry out electrical installation of the pump as specified in the relevant installation and operating instructions.

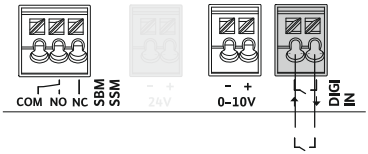
- Check the technical data of the electric circuits being connected to ensure they are compatible with the electrical specifications of the Wilo-Connect module BMS.
- Connect wires as illustrated.

Wilo-Connect module BMS connection:



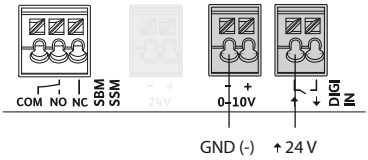
Analogue input 0–10 V
(Purple terminal)

for setpoint adjustment with corresponding control mode



Digital input
(Light-grey terminal)

with potential-free contact (switch or relay)

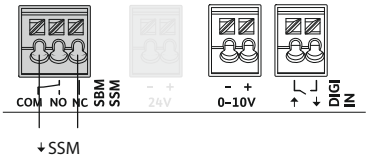


with 24 V digital output signal of an external control.

ATTENTION! Note for connecting 24 V digital output signal to digital input:

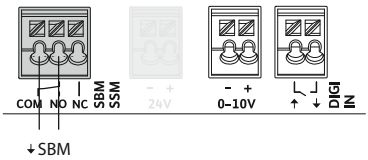
- Connect the common ground point (GND) to the negative terminal of the analogue input terminal.
- Connect the 24 V signal to the digital input terminal, with the arrow pointing towards the terminal (input).

Parallel use of the analogue input remains possible when using the common ground point.



Relay output
(Red terminal)

Connection as collective fault signal (SSM)



Connection as collective run signal (SBM)

DANGER

Risk of fatal electrical shock!

For voltage > 30 V AC or > 42.4 V DC:

- To prevent a wire that has become loose from the terminal from wandering to the SELV, the supplied cable sleeve must be used as illustrated in Fig. (1).

Connecting a voltage
> 30 V AC or > 42.4 V DC

8 Commissioning / Functional test

NOTICE

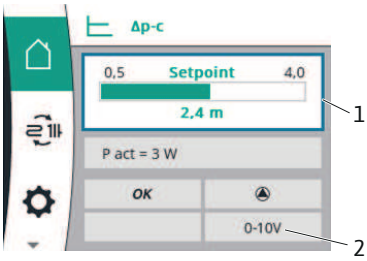
Testing in conjunction with the connected installation is recommended.
For some settings, the installation and operating instructions for the pump are required.

8.1 Settings

The Wilo-Connect module is set via the operating elements of the connected pump.
The operating modes and basic menu descriptions of the pump are described in the respective installation and operating instructions.

Main menu (Homescreen)

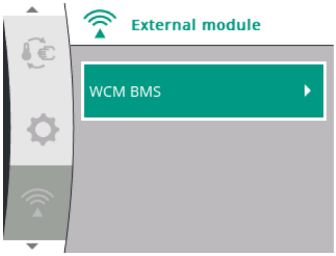
The main menu shows the current settings/statuses of the pump in operation (example setting).



Item 1:
Blue frame around the setpoint display field:
The Wilo-Connect module BMS controls the pump. A setpoint adjustment on the pump's operating button is not possible.

Item 2:
Active influences: Current signal input on the Wilo-Connect module BMS that influences the pump:
0–10 V, Ext. OFF, Ext. MAX, Ext. MIN

Select **"External module"** in the main menu



All other settings and functions for the Wilo-Connect module BMS (WCM BMS) are made in this menu.

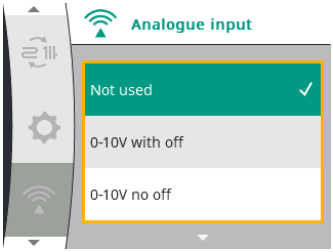
NOTICE! Abbreviated texts of the selection menus and setting dialogues are fully described in the following menu structure.

8.1.1 Menu structure

Menu selection	Possible settings
WCM BMS	
→ Analogue input	Not used 0-10V with off 0-10V no off 2-10V CB detec. 10-0V solar
2-10V CB detec.	Max setpoint Min setpoint No cable break detection
Digital input	Not used Ext. OFF Ext. MAX Ext. MIN
Ext. MIN set.	5% ... 50%
Relay function	Not used SSM only errors SSM err & warn SBM motor in operation SBM ready op. SBM power ready
Relay active delay	0 s ... 60 s
Relay inactive delay	0 s ... 60 s
Relay test ctrl	Normal Forced active Forced inactive
SW version	(Information)
Stacked WCM	Yes No

8.1.2 Configure analogue input 0–10 V

The analogue input of the module can be adapted for various applications.
Settings are made via the pump operating element. Select menu:



Not used (factory setting)
No 0–10 V signal is evaluated.
The analogue input is not active and does **not influence** the pump's function.

The setpoint can still be adjusted via the pump's operating button.

NOTICE

Transfer curves for the 0–10 V signal are described in Section 6.1.
When control via the 0–10 V signal is activated, **no** setpoint adjustments of the control mode can be made via the pump's operating button.

0–10V with off
The analogue input controls the pump's setpoint, depending on the set control mode (e.g. Δp-c or Δp-v). The pump switches off at a voltage of < 1 V.

0–10V no off
The 0–10 V signal is evaluated across the entire voltage range to adjust the setpoint of the set control mode.

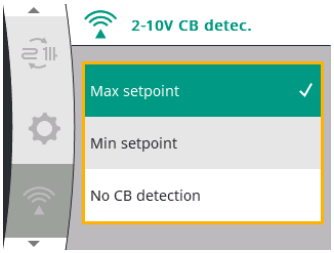
2–10V CB detec.
The 0–10 V signal is evaluated as a 2–10 V signal. The analogue input controls the pump's setpoint, depending on the set control mode (e.g. Δp-c or Δp-v).

Cable break detection is active thanks to this characteristic curve. If the voltage is too low (< 1 V), this is recognised as a cable break. You can set special behaviour for a detected cable break.

10–0V solar
The 0–10 V signal is evaluated as with a pump for solar thermal technology systems. The analogue input controls the pump's setpoint.

8.1.2.1 Configure cable break reaction

If the analogue input is configured for a **2–10V CB detec.**, the following settings can be used to select the reaction to a detected cable break. Select menu:



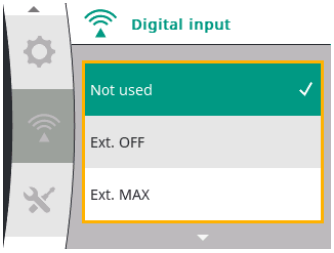
Max setpoint (factory setting)
If a cable break is detected, the maximum setpoint is specified.

Min setpoint
If a cable break is detected, the minimum setpoint is specified.

No CB detection
No cable break reaction: if a cable break is detected (< 1 V), the pump is switched off.

8.1.3 Configure digital input

A selectable function can be controlled via the digital input.
Settings are made via the pump operating element. Select menu:



Not used (factory setting)
The digital input is not active and does **not influence** the pump's function.

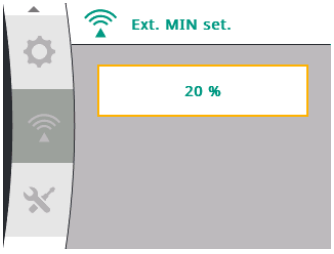
Ext. OFF
The pump is switched on and off.
Contact closed: The pump runs in the set operating mode.
Contact open: The pump is switched off.
The pump kick function is active (see Section 6.4).

Ext. MAX
The pump switches between normal operation and override with a maximum setpoint.
Contact closed: Pump is running with maximum speed.
Contact open: Pump runs in the set operating mode.

Ext. MIN
The pump switches between normal operation and override with a minimum setpoint.
Contact closed: Pump runs at set, reduced speed (night setback).
Contact open: Pump runs in the set operating mode.

8.1.3.1 Ext. MIN set. Setting

Allows the setpoint to be adjusted when the Ext. MIN function is triggered via the digital input. Select menu:

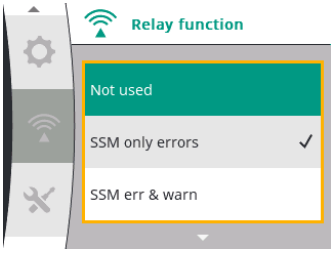


The minimum speed depends on the respective pump.

It is possible that the achievable minimum speed is too low for many applications. The setting via the Ext. MIN set. allows the corresponding speed to be adjusted.
The figure is given as a percentage (%). The value specifies a speed that reaches a percentage of the maximum delivery head at zero volume flow.
Possible setting: 5% ... 50% in 5% steps.
Factory setting: 20%

8.1.4 Relay function

The changeover contact relay outputs operating states of the pump depending on the set signal function.
Select menu:



Not used
The relay output is not active and does not output any operating states.
The contact between COM and NC remains permanently closed, but open between COM and NO.

SSM only errors (factory setting)
Only faults are output as collective fault signals.
The signal is tapped via the COM and NC connections. The contact opens in the event of a fault and the pump stops.
The lack of voltage is not output as a fault here.

SSM err & warn
Faults and warnings are output as collective fault signals.
The signal is tapped via the COM and NC connections.
The contact opens in the event of a fault or warning message.
The pump does not necessarily switch off; depending on the warning state, it continues to run with reduced performance. The lack of voltage is not output as a fault or warning here.

SBM motor op.
The operation of the motor is output as a collective run signal.
The signal is tapped via the COM and NO connections.
The contact closes when the motor is running.
The contact opens when the motor is switched off, faults occur and there is no voltage.

SBM ready op.
The pump's operational readiness is output as a collective run signal.
The signal is tapped via the COM and NO connections.
The contact closes when the pump is ready for operation.
The contact opens when there is no voltage and no faults.

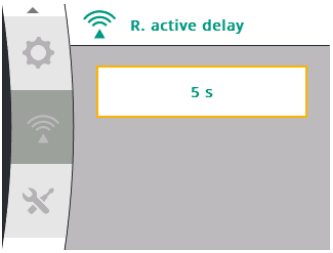
SBM power ready
The operating voltage is output as a collective run signal.
The signal is tapped via the COM and NO connections.
The contact closes when operating voltage is applied.
The contact opens when there is no voltage.

8.1.4.1 Set relay signal delay

The output of the SSM/SBM signals about the states of the pump can be delayed.

Relay active delay

Active delays are used to prevent processes from being influenced by very short errors, warnings or changes in operating states. Select menu:



The triggering of the respective signal after the occurrence of a fault, a warning or an operating state is delayed.
The active delay can be set between 0 ... 60 seconds.

If states are no longer present before the set time has elapsed, they are not reported.
A set active delay of 0 seconds reports states immediately.

Relay inactive delay

Resetting the signal is delayed after a fault, warning message or a change in the operating status has been rectified. Select menu:

WCM BMS → **R. inact. delay**

The inactive delay prevents flickering of the signal when states occur very briefly and can be set between 0 ... 60 seconds.

NOTICE

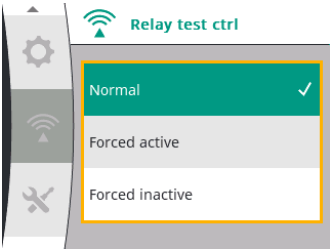
Active and inactive delay are set in the factory to 5 seconds.

8.1.4.2 Relay test mode

The module offers the possibility of checking the wiring of the relay output and the reaction of connected technology (e.g., during commissioning).
Regardless of the state of the pump, the relay state can be overridden and forced for a limited time. The setting is made via the operating elements of the pump. Select menu:

WCM BMS → **Relay test ctrl**

The forced state is active for approx. 15 minutes. After expiry, the mode automatically returns to “normal”. Before these 15 minutes have expired, “Normal” can also be selected again in the menu.



Normal (factory setting)
The relay signals the operating state as set in the SSM/SBM configuration.

Forced active
The relay switching state is forced ACTIVE.
The contact between COM and NO is closed; the contact between COM and NC is open.

Forced inactive
The relay switching state is forced INACTIVE.
The contact between COM and NO is open; the contact between COM and NC is closed.

NOTICE

The forced relay switching states ACTIVE and INACTIVE for SSM/SBM do not indicate the pump status!

8.1.5 Software version

The current software version of the module can be called up via the pump display. Select menu:

8.1.6 Additional Wilo-Connect module

Extensions under preparation

The following extensions are under preparation and still don't work:

- **Wilo-Connectivity Interface**
  Slot for additional modules (below the lockable module cover)
  CAUTION! Do not connect any modules and leave the setting in the "Stacked WCM" menu at "No"!

8.2 Settings for pumps without suitable display

For pumps without a suitable display to show the configuration of the Wilo-Connect module BMS, default settings are active when the module is connected.

Standard settings

- Analogue input: 0–10V with off
- Digital input: Ext. OFF
- Digital output: SSM only errors
  - Relay active delay: 5s
  - Relay inactive delay: 5s
  - Relay test ctrl: not activated

9 Maintenance

The modules described in these instructions are maintenance-free.

10 Faults, causes and remedies

Repair work may only be carried out by qualified personnel!

DANGER

Risk of fatal electrical shock!

Ensure there are no risks arising from electrical current!

- The pump 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.

WARNING

Risk of scalding!

At high fluid temperatures and system pressures, allow the pump to cool down first and then depressurise the system.

Faults	Cause	Remedy
Run signal light (green) off.	Module is not connected to the pump.	Reinstall module.
The pump no longer runs after installation and configuration of the module.	The digital input has been assigned the Ext. OFF function. Cable jumper or control for the ON signal is missing.	If the input function is not to be used, select “Not used”.
The pump no longer runs after installation and configuration of the module.	The analogue input has been assigned a 0–10 V transfer curve. There is no signal (0 V), so the pump switches off.	If the inputs are to be used, send the corresponding signal.
Pump without configurable user interface switches off after the module installation.	For pumps without a suitable user interface, analogue input and digital input are active with functions that switch off the pump without connecting the interfaces.	If Ext. OFF is not to be used, set the jumper wire at the digital input. Send 0–10 V signal to analogue input.
After dismantling the module, the pump can no longer be fully operated.	The missing module is not recognised by the pump. Influences of the previously installed module remain active although the module is no longer present.	Reset the pump to factory settings.

If the malfunction cannot be rectified, consult a specialist technician or the nearest Wilo customer service or representative location.

11 Spare parts

Spare parts may be ordered via a local installer and/or Wilo customer service. To avoid queries and order errors, please supply all data on the rating plate of the module and pump 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 prevents damage to the environment and danger to your 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. See www.wilo-recycling.com for more information about recycling.

Subject to change without prior notice!

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 module BMS

(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 / NIEDERSPANNUNGSRICHTLINIE

_ 2014/30/EU - ELECTROMAGNETIC COMPATIBILITY / ELEKTROMAGNETISCHE VERTRÄGLICHKEIT - RICHTLINIE

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

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

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; 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

Dortmund, 2023-06-12

DocuSigned by:
ppa. H. Herchenhein
00F087B98470458...

H. HERCHENHEIN
Senior Vice President - Group Quality & Qualification

wilo

Wilopark 1
D-44263 Dortmund

Declaration n°2223836-rev01 PC As-Sh n°2216673-EU-rev01

ORIGINAL DECLARATION / ORIGINAL-ERKLÄRUNG

F_GQ_013-02

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 module BMS

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

|| 2014/35/EU - Χαμηλής Τάσης || 2014/30/EU - Ηλεκτρομαγνητικής συμβατότητας || 2011/65/EU + 2015/863 - για τον περιορισμό της χρήσης ορισμένων επικίνδυνων ουσιών

συμμορφώνεται επίσης με εναρμονισμένα πρότυπα:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Πρόσωπο εξουσιοδοτημένο να συντάξει το τεχνικό αρχείο είναι: D-44263 Dortmund

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 module BMS

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

|| 2014/35/EU - Baja Tensión || 2014/30/EU - Compatibilidad Electromagnética || 2011/65/EU + 2015/863 - Restricciones a la utilización de determinadas sustancias peligrosas

así como las disposiciones de las siguientes normas europeas armonizadas:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Persona autorizada para la recopilación de los documentos técnicos: D-44263 Dortmund

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 module BMS

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

|| 2014/35/EU - BASSE TENSION || 2014/30/EU - COMPATIBILITE ELECTROMAGNETIQUE || 2011/65/EU + 2015/863 - LIMITATION DE L'UTILISATION DE CERTAINES SUBSTANCES DANGEREUSES

sont également conformes aux dispositions des normes européennes harmonisées suivantes :

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Personne autorisée à constituer le dossier technique est : D-44263 Dortmund

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 module BMS

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

|| 2014/35/EU - Bassa Tensione || 2014/30/EU - Compatibilità Elettromagnetica || 2011/65/EU + 2015/863 - sulla restrizione dell'uso di determinate sostanze pericolose

rispettare anche le seguenti norme pertinenti:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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La persona autorizzata a compilare il fascicolo tecnico è: D-44263 Dortmund

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 module BMS

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

|| 2014/35/EU - Baixa Voltagem || 2014/30/EU - Compatibilidade Electromagnética || 2011/65/EU + 2015/863 - relativa à restrição do uso de determinadas substâncias perigosas

assim como as seguintes disposições das normas europeias

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Pessoa autorizada para a elaboração de documentos técnicos: D-44263 Dortmund

DA — **Officiel oversættelse af erklæringen**

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

(Serienummeret er markeret på produktpladen) **Wilo-Connect module BMS**

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

|| 2014/35/EU - Lavspændings || 2014/30/EU - Elektromagnetisk Kompatibilitet || 2011/65/EU + 2015/863 - Begrænsning af anvendelsen af visse farlige stoffer

også overholde følgende relevante standarder:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Person, der er autoriseret til at udarbejde den tekniske fil, er: D-44263 Dortmund

ET — **Deklaratsiooni ametlik tõlge**

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

(Seerianumber on märgitud toote saidi plaadile) **Wilo-Connect module BMS**

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

|| 2014/35/EU - Madalpingeseadmed || 2014/30/EU - Elektromagnetilist Ühilduvust || 2011/65/EU + 2015/863 - teatavate ohtlike ainete kasutamise piiramise kohta

vastama ka järgmistele asjakohastele standarditele:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Tehnilise toimiku koostamiseks on volitatud isik: D-44263 Dortmund

FI — **Julistuksen virallinen käännös**

Valmistaja vakuuttaa yksinomaisella vastuullaan, että sarjan tuotteet,

(Sarjanumero on merkitty tuotekohtaiseen kilpeen) **Wilo-Connect module BMS**

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

|| 2014/35/EU - Matala Jännite || 2014/30/EU - Sähkömagneettinen Yhteensopivuus || 2011/65/EU + 2015/863 - tiettyjen vaarallisten aineiden käytön rajoittamisesta

noudattamaan myös seuraavia asiaankuuluvia standardeja:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Henkilö, jolla on valtuudet koota tekninen tiedosto, on: D-44263 Dortmund

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 module BMS**

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

|| 2014/35/EU - Lágspennutilskipun || 2014/30/EU - Rafseguls-samhæfni-tilskipun || 2011/65/EU + 2015/863 - Takmörkun á notkun tiltekinna hættulegra efna

uppfylla einnig eftirfarandi viðeigandi staðla:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Sá sem hefur heimild til að taka saman tækniskrána er: D-44263 Dortmund

LT — **Oficialus deklaracijos vertimas**

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

(Serijos numeris pažymėtas ant produkto lentelės) **Wilo-Connect module BMS**

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

|| 2014/35/EU - Žema įtampa || 2014/30/EU - Elektromagnetinis Suderinamumas || 2011/65/EU + 2015/863 - dėl tam tikrų pavojingų medžiagų naudojimo apribojimo

taip pat atitinka sekančius aktualius standartus:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Asmuo įgaliotas sudaryti techninius dokumentus yra: D-44263 Dortmund

LV

Deklarācijas oficiālais tulkojums

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

(Sērijas numurs ir norādīts uz izstrādājuma pläksnītes) **Wilo-Connect module BMS**

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

|| 2014/35/EU - Zemsprieguma || 2014/30/EU - Elektromagnētiskās Saderības || 2011/65/EU + 2015/863 - par dažu bīstamu vielu izmantošanas ierobežošanu 2011/65/UE

atbilst arī sekojošiem attiecīgiem standartiem:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Persona pilnvarota sastādīt tehnisko dokumentāciju: D-44263 Dortmund

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 module BMS**

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

|| 2014/35/EU - Laagspannings || 2014/30/EU - Elektromagnetische Compatibiliteit || 2011/65/EU + 2015/863 - betreffende beperking van het gebruik van bepaalde gevaarlijke stoffen

voldoen ook aan de volgende relevante normen:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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De persoon die bevoegd is om het technische bestand samen te stellen is: D-44263 Dortmund

NO

Offisiell oversettelse av erklæring

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

(serienummeret er markert på pumpeskilt) **Wilo-Connect module BMS**

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

|| 2014/35/EU - Lavspenningsdirektiv || 2014/30/EU - EMV–Elektromagnetisk kompatibilitet || 2011/65/EU + 2015/863 - Begrensning av bruk av visse farlige stoffer

Oppfølger også relevante standarder

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Vedkommendesom er autorisert til å sammenstille teknisk fil er: D-44263 Dortmund

SV

Officiell översättning av försäkran

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

(Serienumret finns utmärkt på produktens dataskylt) **Wilo-Connect module BMS**

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

|| 2014/35/EU - Lågspännings || 2014/30/EU - Elektromagnetisk Kompatibilitet || 2011/65/EU + 2015/863 - begränsning av användning av vissa farliga ämnen

överrenstämmer också med följande relevanta standarder:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Person behörig att sammanställa denna tekniska fil är: D-44263 Dortmund

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 module BMS**

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

|| 2014/35/EU - Ísealvoltais || 2014/30/EU - Comhoiriúnacht Leictreamaighnéadach || 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 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Is e an neach le ùghdarras am faidhle teicnigeach a chur ri chèile: D-44263 Dortmund

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 module BMS

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

|| 2014/35/EU - Ниско Напрежение || 2014/30/EU - Електромагнитна съвместимост || 2011/65/EU + 2015/863 - относно ограничението за употребата на определени опасни вещества

Също така отговарят на следните изискуеми норми:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

WILO SE
Group Quality
Wilopark 1

Лицето, упълномощено да състави техническия доклад е: D-44263 Dortmund

CS

Oficiální překlad Prohlášení

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

(Sériové číslo je uvedeno na výrobním štítku)

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

|| 2014/35/EU - Nízké Napětí || 2014/30/EU - Elektromagnetická Kompatibilita || 2011/65/EU + 2015/863 - Omezení používání některých nebezpečných látek

dodržovat také následující relevantní normy:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Osoba oprávněná sestavit technickou dokumentaci je: D-44263 Dortmund

HR

Službeni prijevod Deklaracije

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

(Serijski broj je označen na tipskoj pločici proizvoda)

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

|| 2014/35/EU - Smjernica o niskom naponu || 2014/30/EU - Elektromagnetna kompatibilnost - smjernica || 2011/65/EU + 2015/863 - ograničenju uporabe određenih opasnih tvari

u skladu također i sa sljedećim relevantnim standardima:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Osoba ovlaštena za sastavljanje tehničke dokumentacije: D-44263 Dortmund

HU

A Nyilatkozat hivatalos fordítása

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

(A sorozatszámot a termék adattábláján feltüntetik)

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

|| 2014/35/EU - Alacsony Feszültségű || 2014/30/EU - Elektromágneses összeférhetőségre || 2011/65/EU + 2015/863 - egyes veszélyes való alkalmazásának korlátozásáról

megfeleljen a következő vonatkozó előírásoknak is:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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A műszaki dokumentáció összeállítására jogosult személy: D-44263 Dortmund

PL

Oficjalne tłumaczenie Deklaracji Zgodności

Producent oświadcza na wyłączną odpowiedzialność, że produkty z serii

(Numer seryjny znajduje się na tabliczce znamionowej produktu)

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

|| 2014/35/EU - Niskich Napięć || 2014/30/EU - Kompatybilności Elektromagnetycznej || 2011/65/EU + 2015/863 - sprawie ograniczenia stosowania niektórych niebezpiecznych substancji

są również zgodne z następującymi specyfikacjami technicznymi mającymi zastosowanie:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Osoba upoważniona do sporządzenia dokumentacji technicznej: D-44263 Dortmund

RO

Traducere oficială a Declarației

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

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

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

|| 2014/35/EU - Joasă Tensiune || 2014/30/EU - Compatibilitate Electromagnetică || 2011/65/EU + 2015/863 - privind restricțiile de utilizare a anumitor substanțe periculoase

sunt conforme, de asemenea, cu următoarele standarde relevante

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Persoana autorizată sa compileze dosarul tehnic este: D-44263 Dortmund

SK

Oficiálny preklad vyhlásenia

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

(Sériové číslo je uvedené na štítku s výrobkom)

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

|| 2014/35/EU - Nízkonapäťové zariadenia || 2014/30/EU - Elektromagnetickú Kompatibilitu || 2011/65/EU + 2015/863 - obmedzení používania určitých nebezpečných látok

spĺňať aj nasledujúce relevantné normy:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Osoba oprávnená zostaviť technickú dokumentáciu je: D-44263 Dortmund

SL

Uradni prevod izjave

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

(Serijska številka je označena na napisni tablici izdelka)

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

|| 2014/35/EU - Nizka Napetost || 2014/30/EU - Elektromagnetno Združljivostjo || 2011/65/EU + 2015/863 - o omejevanju uporabe nekaterih nevarnih snovi

izpolnjujejo tudi naslednje ustrezne standarde:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Oseba, pooblaščena za sestavo tehnične datoteke, je: D-44263 Dortmund

TR

CE Uygunluk Beyanı

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

Seri numarası ürünün üzerindedir.

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teslim edildiği şekliyle aşağıdaki ilgili hükümler ile uyumludur;

|| 2014/35/EU - Alçak Gerilim Yönetmeliği || 2014/30/EU - Elektromanyetik Uyumluluk Yönetmeliği || 2011/65/EU + 2015/863 - Belirli tehlikeli maddelerin bir kullanımını sınırlandıran

İlgili uyumlaştırılmış Avrupa standartları;

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Teknik dosyayı düzenleyen yetkili kişi; D-44263 Dortmund

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)

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

|| 2014/35/EU - Vultaġġ Baxx || 2014/30/EU - Kompatibbiltà Elettromanjetika || 2011/65/EU + 2015/863 - dwar ir-restrizzjoni tal-użu ta' ċerti sustanzi perikoluži

jikkonformaw ukoll mal-istandards rilevanti li ġejjin:

EN 60730-1:2016+A1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 63000:2018;

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Persuna awtorizzata biex tiġbor il-fajl tekniku hija: D-44263 Dortmund

DECLARATION OF CONFORMITY

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

(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

_ Electromagnetic Compatibility (EMC) Regulations (SI 2016 No. 1091) 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 60730-1:2016+A1:2019; BS EN IEC 61000-6-2:2019; BS EN IEC 61000-6-3:2021; 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, 2023-06-16

DocuSigned by:
ppa. H. Herchenhein
[illegible]

H. HERCHENHEIN
Senior Vice President - Group Quality & Qualification

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D-44263 Dortmund

Declaration n°2223843-rev01 PC As-Sh n°2216673-GB-rev01

F_GQ_013-82 ORIGINAL DECLARATION

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www.wilo.com/contact

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