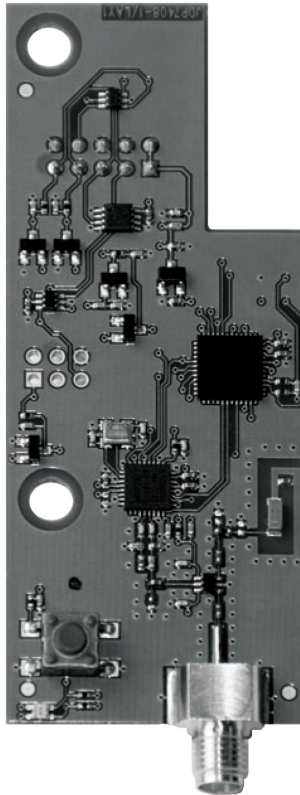


CIM 060

Installation and operating instructions



CIM 060

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English (GB) Installation and operating instructions

Original installation and operating instructions

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1. General information



Read this document before you install the product. Installation and operation must comply with local regulations and accepted codes of good practice.

1.1 Symbols used in this document



Warning
If these safety instructions are not observed, it may result in personal injury.



Warning
If these instructions are not observed, it may lead to electric shock with consequent risk of serious personal injury or death.



Caution
If these safety instructions are not observed, it may result in malfunction or damage to the equipment.



Note
Notes or instructions that make the job easier and ensure safe operation.

2. Abbreviations

CIM	Communication interface module
CIU	Communication interface unit
CU	Control unit
GND	Earth connection
GSM	Global system for mobile communications
LED	Light-emitting diode
SEG	Sewage grinder pump
SELV	Separated or safety extra-low voltage
SMA	Subminiature version A
TTL	Transistor to transistor logic

3. Product description

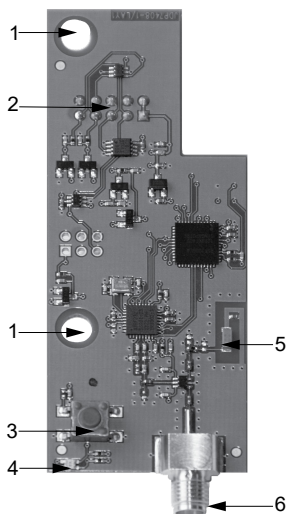
3.1 Introduction

The CIM 060 is an add-on module which you can install in a CIU 902 SEG AUTO_{ADAPT} communication unit or a CU 362 Dedicated Controls system to enable radio communication with the Grundfos GO.

The on-board antenna enables connection to Grundfos GO within a 10 meters radius. You can fit an external antenna for a larger communication range.

You can establish connection via a button on the module or via a configurable connection code.

3.2 Product overview



TM062190

CIM 060

Pos.	Description
1	Mounting holes
2	Connecting plug for the product (visible on the back of the CIM 060)
3	Connection button
4	LED
5	On-board antenna
6	Connector for external SMA antenna

3.3 LED

Indicator	Description
Light off	The module receives data from the product but is not connected to any Grundfos GO system. Power is off.
Short green flashes	The product in question is highlighted in the Grundfos GO display and the wink button has been pressed. The LED flashes to inform the user of the location of the highlighted pump.

Indicator	Description
Long green flashes	The product in question is selected in the Grundfos GO menu. The module is prompting the user to press the connection button in order to connect to Grundfos GO.
Permanently green	The product is connected to Grundfos GO. The indicator light is on as long as the product is selected in Grundfos GO.
Red flashes	Error/no connection available. The power has for example just been switched on and the module is waiting to receive data from the product. It ceases flashing when the module is ready for connection.

See also *installation and operating instructions of the Grundfos GO*.

4. Installation



Warning

The module must only be connected to SELV circuit.



Warning

Switch off the power supply to the CIU 902 or CU 362 before fitting the CIM module.



Warning

Avoid electrostatic discharge (ESD) when fitting the CIM module, for instance by using an ESD protection kit, product number 96884939.

Note

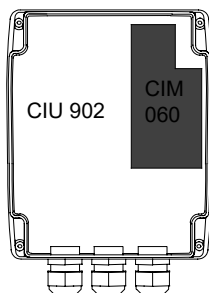
The CIM module must be installed by authorised staff.

Note

When installed in a metal cabinet, it might be necessary to fit an external antenna on the module.

4.1 Fitting the CIM 060 into a CIU 902 box

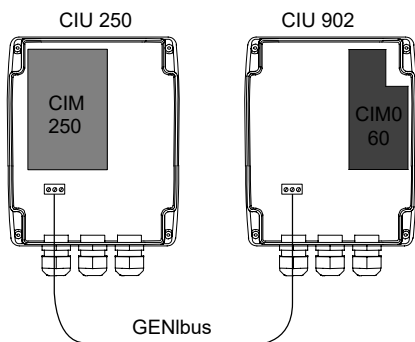
- Click the CIM 060 on the top right corner of the CIU box. See fig. Position of the CIM 060 in a CIU 902



TM062482

Position of the CIM 060 in a CIU 902

If the product is to be connected to a GSM network, connect the CIU 902 to a CIU 250 unit via GENIbus. See fig. CIM 060 in a CIU 902 connected to a GSM network.



TM062471

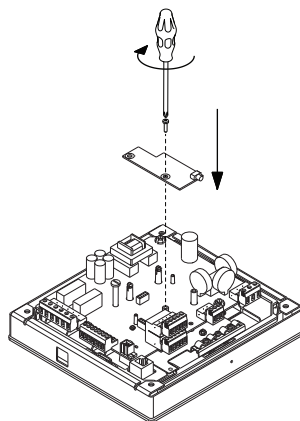
CIM 060 in a CIU 902 connected to a GSM network

Caution Do not fit the CIM 250 in the CIU 902.

4.2 Fitting the CIM 060 into a CU 362

- Remove the back cover of the CU 362.
- Click the CIM 060 on top of the main board, in the back of the CU 362. See fig. Fitting the CIM 060 in the CU 362.
- Fit the screw in the bottom mounting hole.
- Use cutting pliers to cut out the back cover of the CU 362, around the external antenna connector. See fig. CIM 060, pos. 6.

See also section *installation and operating instructions of the CU 362*.

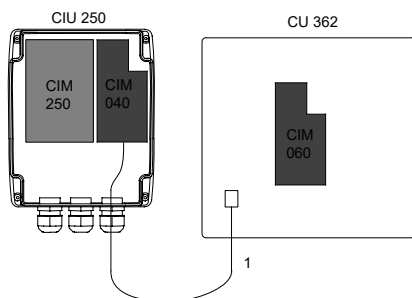


TM062500

Fitting the CIM 060 in the CU 362

If the product is to be connected to a GSM network, connect the CU 362 to a CIU 250 unit in this way:

- Install a CIM 040 in the CIU 250 box next to the CIM 250.
- Connect the CIM 040 to the TTL service port of CU 362 via the TTL cable provided with the CIM 040. See fig. CIM 060 in a CU 362 connected to a GSM network.



TM062467

CIM 060 in a CU 362 connected to a GSM network

Pos.	Description
1	TTL cable

Related information

[3.2 Product overview](#)

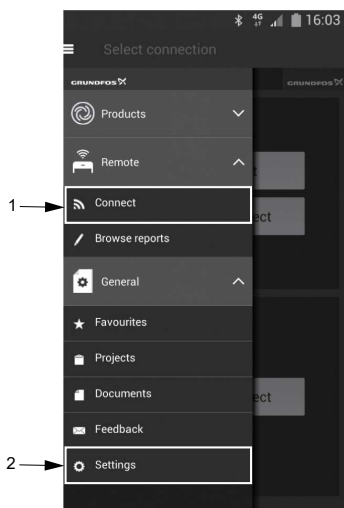
5. Connecting Grundfos GO

See also *installation and operating instructions of the Grundfos GO*.

5.1 Via the connection button

1. Select [Connect] in the main menu, under [Remote]. See fig. Main menu in Grundfos GO, pos. 1.
2. Press [List].
3. Select the product hosting the CIM 060. It may be necessary to press the wink button to identify the product. See section LED.
4. Press the connection button on the module (within 30 seconds). The LED is now permanently green and the CIM 060 is connected to Grundfos GO.

Alternatively, if the product is the only one in range, press [Connect] instead of [List], and skip step 3.



Main menu in Grundfos GO

Related information

3.3 LED

5.2 Via a connection code

You can setup a connection code to avoid having to press the connection button each time and to restrict remote access to the product.

5.2.1 Setting the code in the product

1. Connect Grundfos GO to the product via the connection button. See section Connecting Grundfos GO.

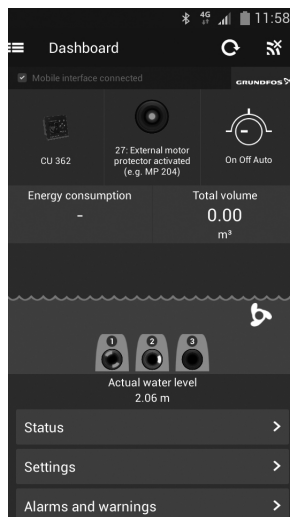
2. In the product dashboard, select [Settings]. See fig. Product dashboard in Grundfos GO.
3. Choose [Connection code].
4. Enter the wanted code and press [OK].

The code must be a character string (ASCII).

The code can always be modified. The old code is not needed.

Note

After setting a connection code, you must switch off the product for five seconds before you can use the new connection code.



Product dashboard in Grundfos GO

Related information

5. Connecting Grundfos GO

TM062345

TM062343

5.2.2 Setting the code in Grundfos GO

You can define a default connection code in Grundfos GO so that it automatically attempts to connect to the selected product via this code.

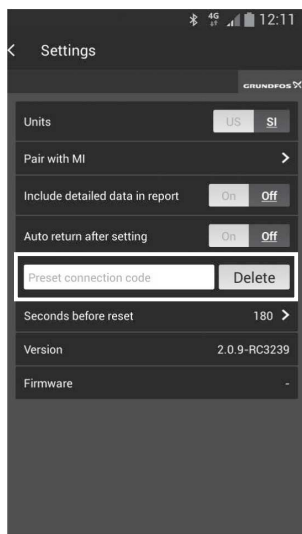
When a product with the same connection code is selected in Grundfos GO, the Grundfos GO automatically connects to the product without having to press the connection button on the module.

Define the default code in Grundfos GO in this way:

1. In the main menu, under [General], select [Settings]. See fig. Main menu in Grundfos GO, pos. 2.
2. Choose [Remote].
3. Enter the connection code in the field "Preset connection code". The field now says "Connection code set". See fig. Presetting the connection code in Grundfos GO.

You can always modify the default connection code by pressing [Delete] and entering a new one.

If Grundfos GO fails to connect and ask for pressing the connection button on the product, it means that the product has no connection code or has a different connection code. In this case, you can only establish connection via the connection button.



TM062595

Presetting the connection code in Grundfos GO

Related information

[5.1 Via the connection button](#)

6. Fault finding

Fault	Possible cause	Remedy
The connection between the Grundfos GO and the CIM 060 has failed.	Power is off.	Turn power on. Wait until the LED ceases to flash.
	The product has no connection code or has a different connection code.	Connect via the connection button on the module. See Via the connection button.
	The connection time has elapsed (30 seconds).	Reselect the product in Grundfos GO. Note: If the connection button has not been pressed within 30 seconds from the time the product was selected in Grundfos GO, the connection is cancelled.
	The CIM 060 is defective.	Replace the CIM 060.
No internal communication between the CIM 060 and the product. (LED flashing red).	The CIM 060 is not fitted correctly on the product.	Check that the module is fitted correctly.
	The connecting plug on the CIM 060 is defective.	Check the connecting plug on the CIM 060 (one of the pins might be damaged).
	The connecting plug on the product is defective.	Check the connecting plug on the product.

See also installation and operating instructions of the product in question and of the Grundfos GO. The above manuals can be found in the Grundfos Product Center: product-selection.grundfos.com

Related information

[5.1 Via the connection button](#)

7. Technical data

Communication range of on-board antenna	10 m
Storage temperature	-20 to 85 °C
Operating temperature	-20 to 85 °C
Operating and storage humidity	0-95 % RH Non-condensing
External antenna	2.4 GHz RF signal SMA connector Max. cable length 2.9 m

8. Disposing of the product

This product or parts of it must be disposed of in an environmentally sound way.

1. Use the public or private waste collection service.
2. If this is not possible, contact the nearest Grundfos company or service workshop.



The crossed-out wheeled bin symbol on a product means that it must be disposed of separately from household waste. When a product marked with this symbol reaches its end of life, take it to a collection point designated by the local waste disposal authorities. The separate collection and recycling of such products will help protect the environment and human health.

See also end-of-life information at www.grundfos.com/product-recycling.

1. China RoHS, table C

产品中有害物质的名称及含量

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr6+)	多溴联苯 (PBB)	多溴联苯醚 (PBDE)
印刷电路板	X	O	O	O	O	O
紧固件	X	O	O	O	O	O
本表格依据 SJ/T 11364 的规定编制 O: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。 X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 该规定的限量要求。  该产品环保使用期限为 10 年，标识如左图所示。 此环保期限只适用于产品在安装与使用说明书中所规定的条件下工作						

EU declaration of conformity

GB: EU declaration of conformity

We, Grundfos, declare under our sole responsibility that the product CIM 060, to which the declaration below relates, is in conformity with the Council Directives listed below on the approximation of the laws of the EU member states.

CZ: Prohlášení o shodě EU

My firma Grundfos prohlašujeme na svou plnou odpovědnost, že výrobek CIM 060, na který se toto prohlášení vztahuje, je v souladu s níže uvedenými ustanoveními směrnice Rady pro sblížení právních předpisů členských států Evropského společenství.

DK: EU-overensstemmelseserklæring

Vi, Grundfos, erklærer under ansvar at produktet CIM 060 som erklæringen nedenfor omhandler, er i overensstemmelse med Rådets direktiver der er nævnt nedenfor, om indbyrdes tilnærmelse til EU-medlemsstaternes lovgivning.

ES: Declaración de conformidad de la UE

Grundfos declara, bajo su exclusiva responsabilidad, que el producto CIM 060 al que hace referencia la siguiente declaración cumple lo establecido por las siguientes Directivas del Consejo sobre la aproximación de las legislaciones de los Estados miembros de la UE.

FR: Déclaration de conformité UE

Nous, Grundfos, déclarons sous notre seule responsabilité, que le produit CIM 060, auquel se réfère cette déclaration, est conforme aux Directives du Conseil concernant le rapprochement des législations des États membres UE relatives aux normes énoncées ci-dessous.

HR: EU deklaracija sukladnosti

Mi, Grundfos, izjavljujemo s punom odgovornošću da je proizvod CIM 060, na koja se izjava odnosi u nastavku, u skladu s dolje navedenim direktivama Vijeća o usklađivanju zakona država članica EU-a.

IT: Dichiarazione di conformità UE

Grundfos dichiara sotto la sua esclusiva responsabilità che il prodotto CIM 060, al quale si riferisce questa dichiarazione, è conforme alle seguenti direttive del Consiglio riguardanti il riavvicinamento delle legislazioni degli Stati membri UE.

BG: Декларация за съответствие на ЕО

Ние, фирма Grundfos, заявяваме с пълна отговорност, че продуктът CIM 060, за който се отнася настоящата декларация, отговаря на следните директиви на Съвета за уеднаквяване на правните разпоредби на държавите-членки на ЕО.

DE: EU-Konformitätserklärung

Wir, Grundfos, erklären in alleiniger Verantwortung, dass das Produkt CIM 060, auf das sich diese Erklärung bezieht, mit den folgenden Richtlinien des Rates zur Angleichung der Rechtsvorschriften der EU-Mitgliedsstaaten übereinstimmt.

EE: EÜvastavusdeklaratsioon

Meie, Grundfos, kinnitame ja kanname ainuiskulist vastutust selle eest, et toode CIM 060, mille kohta all olev deklaratsioon käib, on kooskõlas Nõukogu Direktiividega, mis on nimetatud all pool vastavalt vastuvõetud õigusaktidele ühtlustamise kohta EÜ liikmesriikides.

FI: EU-vaatimustenmukaisuusvakuutus

Grundfos vakuuttaa omalla vastuullaan, että tuote CIM 060, jota tämä vakuutus koskee, on EU:n jäsenvaltioiden lainsäädännön lähentämiseen tähtäävien Euroopan neuvoston direktiivien vaatimusten mukainen seuraavasti.

GR: Δήλωση συμμόρφωσης ΕΕ

Εμείς, η Grundfos, δηλώνουμε με αποκλειστικά δική μας ευθύνη ότι το προϊόν CIM 060, στο οποίο αναφέρεται η παρακάτω δήλωση, συμμορφώνεται με τις παρακάτω Οδηγίες του Συμβουλίου περί προσέγγισης των νομοθεσιών των κρατών μελών της ΕΕ.

HU: EU megfeleléségi nyilatkozat

Mi, a Grundfos vállalat, teljes felelősséggel kijelentjük, hogy a(z) CIM 060 termék, amelyre az alábbi nyilatkozat vonatkozik, megfelel az Európai Unió tagállamainak jogi irányelveit összehangoló tanács alábbi előírásainak.

LT: ES atitikties deklaracija

Mes, Grundfos, su visa atsakomybe pareiškiamo, kad produktas CIM 060, kuriam skirta ši deklaracija, atitinka žemiau nurodytas Tarybos Direktyvas dėl ES šalių narių įstatymų suderinimo.

LV: ES atbilstības deklarācija

Sabiedrība Grundfos ar pilnu atbildību paziņo, ka produkts CIM 060, uz kuru attiecas tālāk redzamā deklarācija, atbilst tālāk norādītajām Padomes direktīvām par ES dalībvalstu normatīvo aktu tuvināšanu.

PL: Deklaracja zgodności UE

My, Grundfos, oświadczamy z pełną odpowiedzialnością, że nasz produkt CIM 060, którego deklaracja niniejsza dotyczy, jest zgodny z następującymi dyrektywami Rady w sprawie zbliżenia przepisów prawnych państw członkowskich.

RO: Declarația de conformitate UE

Noi Grundfos declarăm pe propria răspundere că produsul CIM 060, la care se referă această declarație, este în conformitate cu Directivele de Consiliu specificate mai jos privind armonizarea legilor statelor membre UE.

RU: Декларация о соответствии нормам ЕС

Мы, компания Grundfos, со всей ответственностью заявляем, что изделие CIM 060, к которому относится нижеприведённая декларация, соответствует нижеприведённым Директивам Совета Евросоюза о тождественности законов стран-членов ЕС.

SI: Izjava o skladnosti EU

V Grundfosu s polno odgovornostjo izjavljamo, da je izdelek CIM 060, na katerega se spodnja izjava nanaša, v skladu s spodnjimi direktivami Sveta o približevanju zakonodaje za izenačevanje pravnih predpisov držav članic EU.

TR: AB uygunluk bildirgesi

Grundfos olarak, aşağıdaki bildirim konusu olan CIM 060 ürünlerinin, AB üye ülkelerinin direktiflerinin yakınlştırılmasıyla ilgili durumun aşağıdaki Konsey Direktifleriyle uyumlu olduğunu ve bununla ilgili olarak tüm sorumluluğun bize ait olduğunu beyan ederiz.

CN: 欧盟符合性声明

我们，格兰富，在我们的全权责任下声明，产品 CIM 060 系列，其制造和性能完全符合以下所列欧盟委员会指令。

KO: EU 적합성 선언

Grundfos는 아래의 선언과 관련된 CIM 060 제품이 EU 회원국 법률에 기반하여 아래의 이사회 지침을 준수함을 단독 책임 하에 선언합니다.

NL: EU-conformiteitsverklaring

Wij, Grundfos, verklaren geheel onder eigen verantwoordelijkheid dat product CIM 060, waarop de onderstaande verklaring betrekking heeft, in overeenstemming is met de onderstaande Richtlijnen van de Raad inzake de onderlinge aanpassing van de wetgeving van de EU-lidstaten.

PT: Declaração de conformidade UE

A Grundfos declara sob sua única responsabilidade que o produto CIM 060, ao qual diz respeito a declaração abaixo, está em conformidade com as Directivas do Conselho sobre a aproximação das legislações dos Estados Membros da UE.

RS: Deklaracija o usklađenosti EU

Mi, kompanija Grundfos, izjavljujemo pod punom vlastitom odgovornošću da je proizvod CIM 060, na koji se odnosi deklaracija ispod, u skladu sa dole prikazanim direktivama Saveta za usklađivanje zakona država članica EU.

SE: EU-försäkran om överensstämmelse

Vi, Grundfos, försäkrar under ansvar att produkten CIM 060, som omfattas av nedanstående försäkran, är i överensstämmelse med de rådsdirektiv om inbördes närmande till EU-medlemsstaternas lagstiftning som listas nedan.

SK: ES vyhlásenie o zhode

My, spoločnosť Grundfos, vyhlasujeme na svoju plnú zodpovednosť, že produkt CIM 060, na ktorý sa vyhlásenie uvedené nižšie vzťahuje, je v súlade s ustanoveniami nižšie uvedených smerníc Rady pre zblíženie právnych predpisov členských štátov EÚ.

UA: Декларація відповідності директивам EU

Ми, компанія Grundfos, під нашу одноосібну відповідальність заявляємо, що виріб CIM 060, до якого відноситься нижченаведена декларація, відповідає директивам EU, переліченим нижче, щодо тотожності законів країн-членів ЄС.

JP: EU 適合宣言

Grundfos は、その責任の下に、CIM 060 製品が EU 加盟諸国の法規に関連する、以下の評議会指令に適合していることを宣言します。

BS: Izjava o usklađenosti EU

Mi, kompanija Grundfos, izjavljujemo pod vlastitom odgovornošću da je proizvod CIM 060, na koji se odnosi izjava ispod, u skladu sa niže prikazanim direktivama Vijeća o usklađivanju zakona država članica EU.

ID: Deklarasi kesesuaian Uni Eropa

Kami, Grundfos, menyatakan dengan tanggung jawab kami sendiri bahwa produk CIM 060, yang berkaitan dengan pernyataan ini, sesuai dengan Petunjuk Dewan serta sedapat mungkin sesuai dengan hukum negara-negara anggota Uni Eropa.

MK: Декларација за сообразност на ЕУ

Ние, Grundfos, изјавуваме под целосна одговорност дека производот CIM 060, на кого се однесува долунаведената декларација, е во согласност со овие директиви на Советот за приближување на законите на земјите-членки на ЕУ.

NO: EUs samsvarsærklæring

Vi, Grundfos, erklærer under vårt eneansvar at produktet CIM 060, som denne erklæringen gjelder, er i samsvar med Det europeiske råds direktiver om tilnærming av forordninger i EU-landene.

TH: คำประกาศความสอดคล้องตามมาตรฐาน EU

เราในนามของบริษัท Grundfos ขอประกาศภายใต้ความรับผิดชอบของเราแต่เพียงผู้เดียวว่าผลิตภัณฑ์ CIM 060 ซึ่งเกี่ยวข้องกับคำประกาศนี้มีความสอดคล้องกับระเบียบค่าส่งตามรายการด้านล่างนี้ของสภาวิชาชีพว่าด้วยค่าประมาณตามกฎหมายของรัฐที่เป็นสมาชิก EU

VI: Tuyen bố tuân thủ EU

Chúng tôi, Grundfos, tuyên bố trong phạm vi trách nhiệm duy nhất của mình rằng sản phẩm CIM 060 mà tuyên bố dưới đây có liên quan tuân thủ các Chỉ thị Hội đồng sau về việc áp dụng luật pháp của các nước thành viên EU.

- Radio Equipment Directive (2014/53/EU).
Standards used:
EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013
EN 301 489-1 V1.9.2
EN 301 489-17 V3.2.0
EN 300 328 V2.1.1
- RoHS 2 Directive (2011/65/EU and 2015/863/EU).
Standards used:
- EN IEC 63000:2018

KZ: Сәйкестік жөніндегі ЕО декларациясы

Біз, Grundfos, ЕО мүше елдерінің заңдарына жақын төменде көрсетілген Кеңес директиваларына сәйкес төмендегі декларацияға қатысты CIM 060 өнімі біздің жеке жауапкершілігімізде екенін мәлімдейміз.

MY: Perisytiharan keakuran EU

Kami, Grundfos, mengisytiharkan di bawah tanggungjawab kami semata-mata bahawa produk CIM 060, yang berkaitan dengan perisytiharan di bawah, akur dengan Perintah Majlis yang disenaraikan di bawah ini tentang penghampiran undang-undang negara ahli EU.

AR: إقرار مطابقة الاتحاد الأوروبي (EU)

نقر نحن، جروندفوس، بمقتضى مسؤوليتنا الفردية بأن المنتج CIM 060، الذي يختص به الإقرار أدناه، يكون مطابقاً لتوجيهات المجلس المذكورة أدناه بشأن التقريب بين قوانين الدول أعضاء الاتحاد الأوروبي. (EU)

TW: EU 合格聲明

葛蘭富根據我們唯一的責任，茲聲明與以下聲明相關之 CIM 060 產品，符合下列近似 EU 會員國法律之議會指令。

AL: Deklara e konformitetit të BE

Ne, Grundfos, deklarojmë vetëm nën përgjegjësinë tonë se produkti CIM 060, me të cilin ka lidhje kjo deklaratë, është në pajtim me direktivat e Këshillit të renditura më poshtë për përfarimin e ligjeve të shteteve anëtare të BE-së.

This EU declaration of conformity is only valid when published as part of the Grundfos safety instructions (publication number 98770287).
Bjerringbro, 31 December 2020



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Senior Manager
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8850 Bjerringbro, Denmark

Manufacturer and person empowered to sign the EU declaration of conformity.

UK declaration of conformity

UK declaration of conformity

We, Grundfos, declare under our sole responsibility that the products to which the declaration below relates, are in conformity with UK regulations, standards and specifications to which conformity is declared, as listed below:

Valid for Grundfos product:

CIM 060

- Radio Equipment Regulations 2017
Standards used:
BS EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013
 - BS EN 301 489-1 V1.9.2
 - BS EN 301 489-17 V3.2.0
 - BS EN 300 328 V2.1.1
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2019
Standard used:
 - BS EN IEC 63000:2018

This UK declaration of conformity is only valid when accompanying Grundfos instructions (publication number 98770287).

Bjerringbro, 31 December 2020



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[10000340633]

RUS

CIM 060

Руководство по эксплуатации

Руководство по эксплуатации на данное изделие является составным и включает в себя несколько частей:

Часть 1: настоящее «Руководство по эксплуатации».

Часть 2: электронная часть «Паспорт. Руководство по монтажу и эксплуатации» размещенная на сайте компании Грундфос. Перейдите по ссылке, указанной в конце документа.

Часть 3: информация о сроке изготовления, размещенная на фирменной табличке изделия.

Сведения о подтверждении соответствия:

Модули передачи данных CIM 060 прошли процедуру подтверждения на соответствие требованиям Технических регламентов Таможенного союза: ТР ТС 004/2011 «О безопасности низковольтного оборудования»; ТР ТС 020/2011 «Электромагнитная совместимость технических средств».



KAZ

CIM 060

Пайдалану бойынша нұсқаулық

Атаулы өнімге арналған пайдалану бойынша нұсқаулық құрамалы болып келеді және келесі бөлімдерден тұрады:

1 бөлім: атаулы «Пайдалану бойынша нұсқаулық»

2 бөлім: Грундфос компаниясының сайтында орналасқан электронды бөлім «Төлқұжат, Құрастыру және пайдалану бойынша нұсқаулық». Құжат соңында көрсетілген сілтеме арқылы өтіңіз.

3 бөлім: өнімнің фирмалық тақтасында орналасқан шығарылған уақыты жөніндегі мәлімет Сәйкестік мәлімдемесі туралы ақпарат:

CIM 060 деректерді беру модульдері Кеден одағының техникалық регламенттерінің талаптарына сәйкестігін растау рәсімінен өтті: «Төмен вольтты жабдықтардың қауіпсіздігі туралы» (ТР ТС 004/2011), «Техникалық заттардың электрлі магниттік сәйкестілігі» (ТР ТС 020/2011).

KG

CIM 060

Пайдалануу боюнча колдонмо

Аталган жабдууну пайдалануу боюнча колдонмо курамдык жана өзүнө бир нече бөлүкчөнү камтыйт:

1-Бөлүк: «Пайдалануу боюнча колдонмо»

2-Бөлүк: «Паспорт. Пайдалануу жана монтаж боюнча колдонмо» электрондук бөлүгү Грундфос компаниянын сайтында жайгашкан. Документтин аягында көрсөтүлгөн шилтемеге кайрылыңыз.

3-Бөлүк: жабдуунун фирмалык тактасында жайгашкан даярдоо мөөнөтү тууралуу маалымат.

Шайкештикти баалоо боюнча маалымат алуу үчүн:

Берилмелер модулдар CIM 060 бажы биримдигинин техникалык регламенттерге ылайык текшерилсе: ТР ТБ 004/2011 «Төмөн вольттук жабдуунун коопсуздугу жөнүндө»; ТР ТБ 020/2011 «Техникалык каражаттардын электромагниттик шайкештиги».

ARM

CIM 060

Շահագործման ձեռնարկ

Տվյալ սարքավորման շահագործման ձեռնարկը բաղկացած է մի քանի մասերից.

Մաս 1. սույն «Շահագործման ձեռնարկ»:

Մաս 2. էլեկտրոնային մաս. այն է՝ «Անձնագիր: Մոնիտորինգ և

շահագործման ձեռնարկ» տեղադրված «Գրունդֆոս». Անցեք փաստաթղթի վերջում նշված հղումով.

Մաս 3. տեղեկություն արտադրման ամսաթվի վերաբերյալ՝ նշված սարքավորման պիտակի վրա:

Համապատասխանության մասին հայտարարության տեղեկություններ՝

CIM 060 տվյալների փոխանցման մոդուլները անցան հաստատման կարգը՝ Մաքսային միության տեխնիկական կանոնակարգի պահանջներին համապատասխան. TR TS 004/2011 « voltage-ը լարման սարքավորումների անվտանգության մասին »; TR TS 020/2011 «Տեխնիկական միջոցների էլեկտրամագնիսական համատեղելիություն»:



<http://net.grundfos.com/qr/i/99954726>

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