Floor socket outlet FONTO series 9000

Manual

VERSION	MODIFICATIONS
1.0	First edition
2.0	Addition in chapter 3.1 / chapter 4.1.1 Recess mass added / (22.07.22)
2.1	editorial modifications
3.0	The pouring with Blue Gel is removed (Chapter 3.1 / 26.06.2026)

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1 General information

1.1 Marking concept for hazards and hints

Hazard

Hazardous situation which will cause serious injury or even death if it is not prevented.

Caution

Hazardous situation which could cause slight to moderate injury if it is not prevented.

Hint

Indicates information which does not concern personal injury, e.g. hints in respect of material damage.

Protective measures

Increase safety by applying a protective measure.

1.2 Responsibilities of the operator

- Make sure that this document is always kept in a safe place in a legible form together with the product.
- Read these instructions carefully before first start-up of the product.
- This product has been developed and produced exclusively for the use indicated in these documents. Every other use, which is not mentioned explicitly, could affect the intactness of the product and/or could constitute a source of danger.
- The manufacturer rejects any liability for damage which has been caused by incorrect or non-intended use of the product.
- In countries, which do not belong to the European Community, the national legal reference regulations as well as the standards and regulations applicable in these countries have to be observed for warranty of a corresponding safety level.
- The installation has to be carried out according to the applicable regulations.
- The manufacturer assumes no liability for inexpert execution of installation as well as deformations which may occur during operation.
- The electric power supply has to be switched off before executing any action on the installation.
- Exclusively original parts of the manufacturer shall be used for maintenance. Maintenance work may be carried out by qualified staff only.
- All procedures which are not explicitly mentioned by the manufacturer in the instructions are not permitted.
- The packing material must not be stored within the reach of children as it could be a potential source of danger.
- The product may not be installed in potentially explosive environments. Flammable gases and smoke are a serious safety hazard.
- The supply network of the floor socket outlet must be fused in accordance with the applicable regulations and the manufacturer's specifications.
- It should be checked that the earthing system has been executed according to good professional practice. The metal parts of the floor socket outlet should be connected to this system.
- The manufacturer cannot accept any liability whatsoever for the safety and trouble-free operation of the floor socket outlet if components which have not been approved by the manufacturer are used in the system.
- No modifications may be made to the components of the floor socket outlet under any circumstances.
- The installer must provide the user with all information relating to the operation of the system.

Dirt must be removed from the contact surface of the cover at suitable intervals to ensure secure closing.

Any screw connections which have worked loose during transport or assembly must be tightened up.

The operator is responsible for draining any water arising inside the floor socket outlet. (see also Chapter 3.1.1) The operator must guarantee that the water can be drained.

2 Area of application

The floor pit from GIFAS is suitable for:

- Indoor and outdoor use
- Trade fair and exhibition halls
- Schools, sports facilities and parks
- Shopping centres, etc.

… Electricity quickly, discretely and always available wherever you need it!!

Hint

FONTO 9301	Removable cover
FONTO 9308	Removable cover / for various floor coverings

2.1 Product properties and characteristics

2.1.1 The basic features and advantages of the floor socket outlet

- Open housing frame
- ALU-Cover in three different versions (full-surface, fillable, with square lock)
- Cover closed during operation
- Robust, easy to operate and reliable
- Vandal-proof
- Perfect optical integration in the surroundings
- Low running and maintenance costs
- High quality, robust
- Resistant to environmental conditions
- Load capacity: 5t when closed and without levelling feet"

The power distribution equipment depends on the customer's specific requirements.

2.2 Scope of delivery

The floor socket outlet is supplied complete and wired. The cabling, surrounding material, drainage, etc. are designed and provided by the customer.

If you have any questions, please do not hesitate to contact our sales staff.

3 Introduction

To ensure proper installation, the following steps and notes must be complied with under all circumstances. Only this way can it be ensured that the product will work to complete satisfaction.

Hint

Read all instructions before starting installation. Our sales department will be happy to answer any questions you may have.

3.1 Installation conditions

Hint

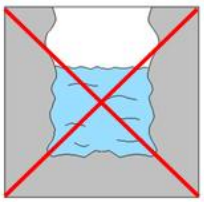
The following points must be considered, in order to ensure trouble-free long-term operation of the floor socket outlets:

- A solid underground must be available for the installation of the floor socket outlet. Installation of the floor socket outlet in loose soil (gravel, sand, ...) is not permitted.
- The cable glands must be suitable for the respective cable diameter.
- Any dirt must be removed from the floor socket outlets before they are closed.
- The floor socket outlets must be cleaned at regular intervals. All seals must be checked for damage and regreased if necessary.
- Condensation may form if the socket outlets are installed in floors with floor heating or placed in locations with temperature fluctuations (cold circulating air). This can be remedied by regular ventilation of the socket outlet.
- All cable glands must comply with protection category IP68.
- The ingress of water into the housing via inlets must be prevented.

3.1.1 Work to be performed on site

The cover system is not surface water-proof, i.e. drainage of the floor socket outlet must be provided by the customer. Therefore, make sure that an appropriate drain pipe or drainage system is provided.

Without drainage/drain pipe



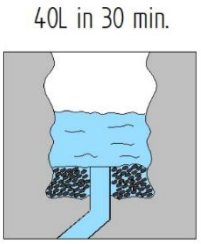
With drainage pit (for example loose underground)

With drain pipe (for example for solid underground)

Hint

Connecting a drain pipe is preferable to a natural drainage pit. However, it must be ensured that the pipe is always open and drainage is guaranteed.

Check the ability to drain water



The excavation work and professional installation in accordance with the standards must be provided by the customer. In this respect, it must be ensured that the load capacity of the foundation and the cover layer corresponds to the load capacity of the floor socket outlet, in order to prevent subsidence. The foundation is provided by the customer.

Caution

If the floor socket outlet is not used immediately after the excavation work, it is essential to close the installation pit, so as not to pose a safety risk!

3.2 Storage

No additional measures are required for storage. With regard to packaging, pay attention to protection against damage.

3.3 Disposal of the device

This product must not be thrown in the garbage.

In accordance with official local and national regulations, this product is to be recycled appropriately.

European directive 2012/19/EU; waste electrical and electronic equipment (WEEE).

3.4 Technical Data

This floor socket outlet is manufactured according to EN61439 and complies with the EC Low Voltage Directive 2014/35/EC.
The nominal voltage, effective output and max. permissible pre-fuse can be found on the type plate.

Short circuit resistance:	max. 10 kA or according to manufacturing documents
Rated peak withstand voltage:	4 kV
Rated insulation voltage:	400V - test voltage: 2,5 kV
Temperature range:	-25°C to +40°C
Max. height:	2000m above sea level (the manufacturer must be consulted with regard to installation at heights of more than 2000m above sea level)
Pollution degree:	3
Cleaning:	If dirty, only clean the housing with a cleaning cloth or brush. Do not use abrasives or solvents!

The distribution box may only be connected to a properly installed low-voltage system which has been checked for proper functioning by means of measurements. If special operating conditions exist, separate agreements must be concluded between the user and the manufacturer.

The connecting cable must have the cross-section required by the regulations. Only Cu conductors or Al conductors with AlCu cable lugs may be connected, in order to avoid electrochemical corrosion at the supply terminals.

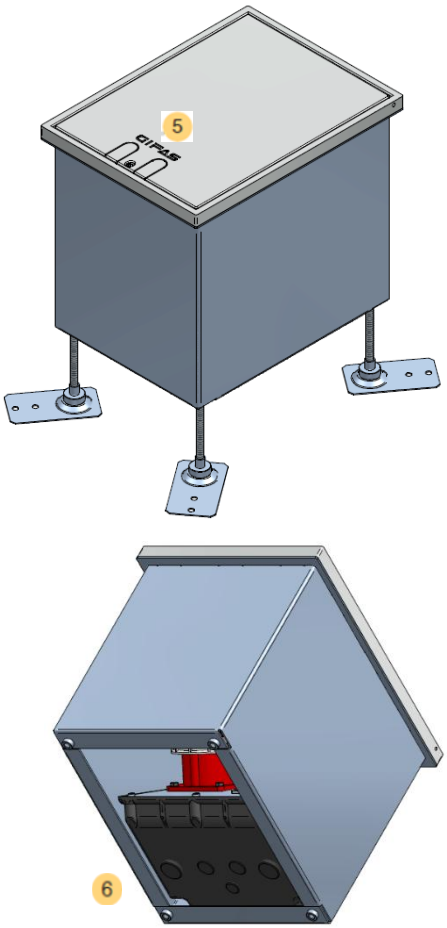
If the distribution box has mechanical damage (defective cables or sockets, fissures, cracks...) and/or electrical defects, it must not be put into service.

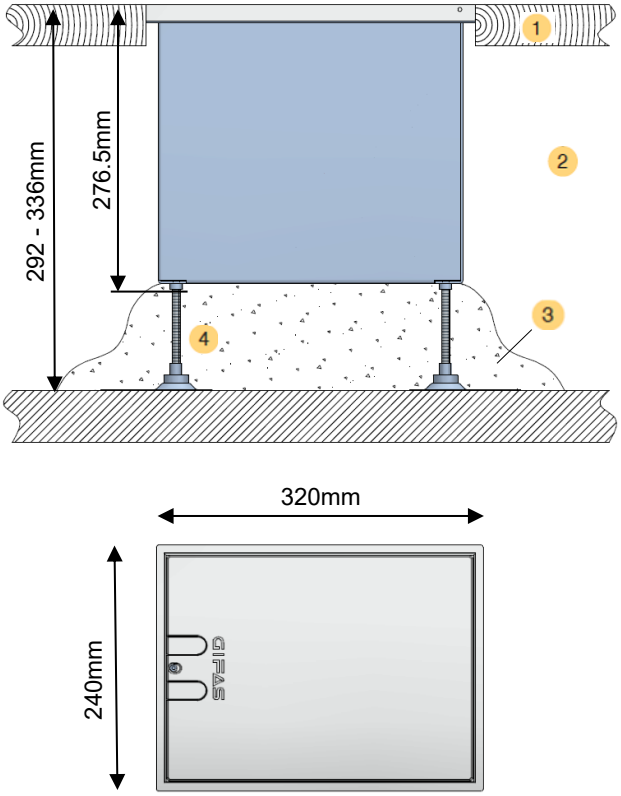
The current national guidelines apply to the periodic inspections.

The connection as well as maintenance, repairs and checks may only be carried out by qualified personnel (in accordance with the applicable national regulations) and only with original parts, in order to ensure safety for the user as well as functional reliability.

4 Installation

4.1 In general





1. Floor covering
2. Floor structure (Earth, cavity …)
3. Stable material (mortar, concrete …)
4. 4x Levelling support / threaded bolt M8 (optional)
5. Cable outlet on cover
6. Cable gland below (2x M20 / 2x M25)

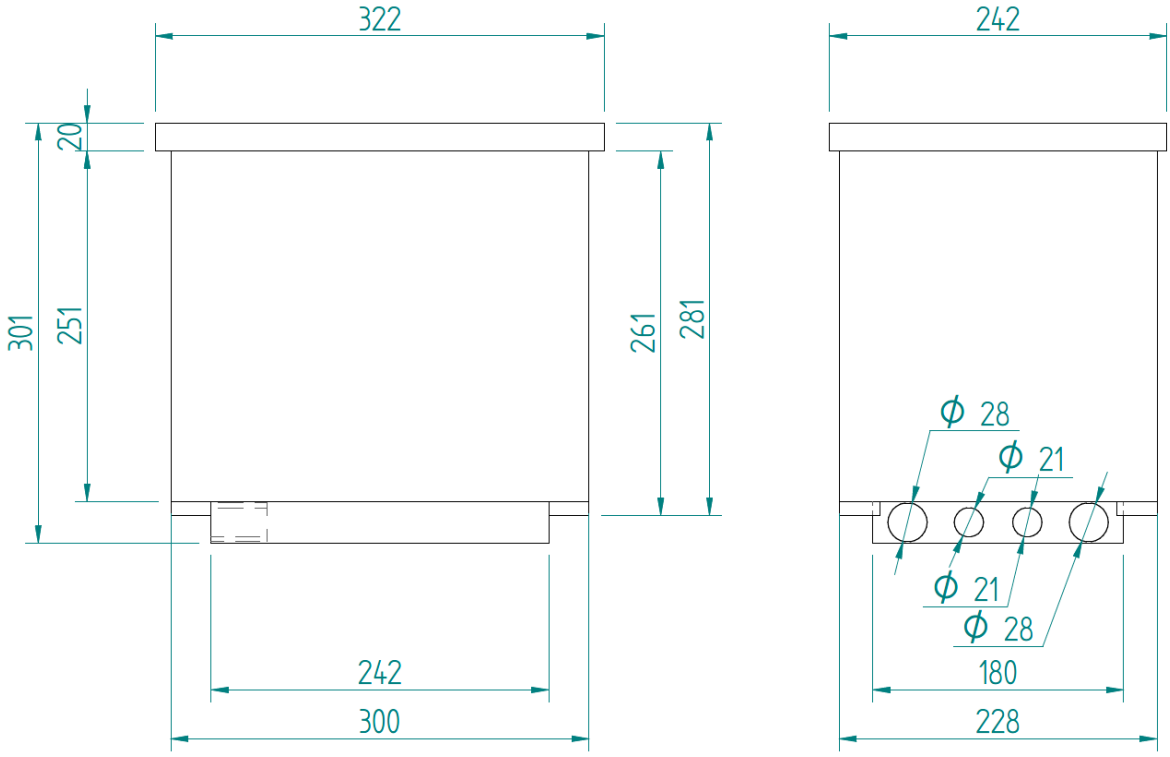
Hint

If the cover layer (1) is not strong enough, and the FONTO was aligned with the levelling supports, the cavity (2) between the concrete foundation (3) and the frame must be filled with concrete or an equivalent material.

The frame must rest on a solid underground.

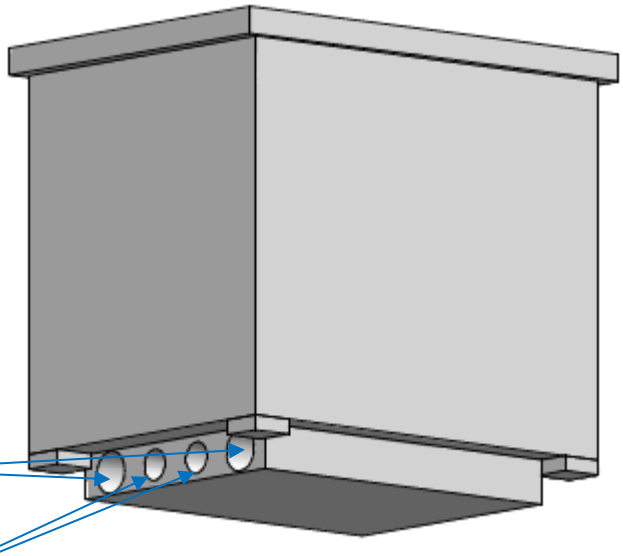
The flange for the levelling supports and the sheet metal frame have a negligible effect on the overall stability.

4.1.1 Dimension of recess



Hint

The following article is available for the recess: (Item no. 220847)

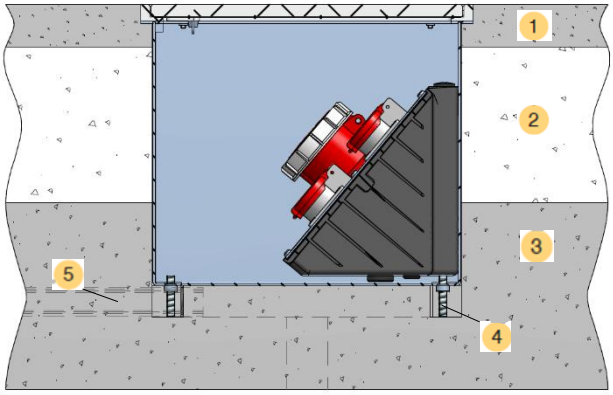


The following diameters are provided for supply pipes:

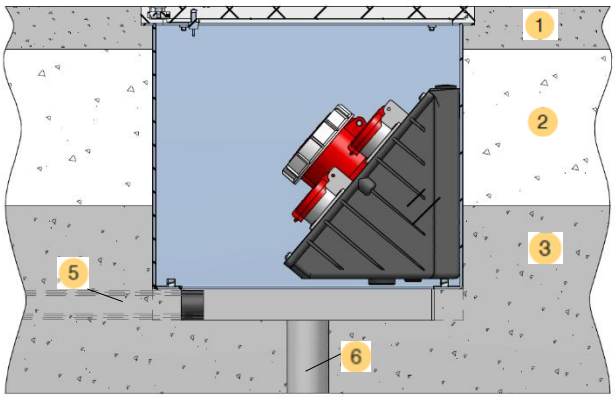
D=28mm

D=21mm

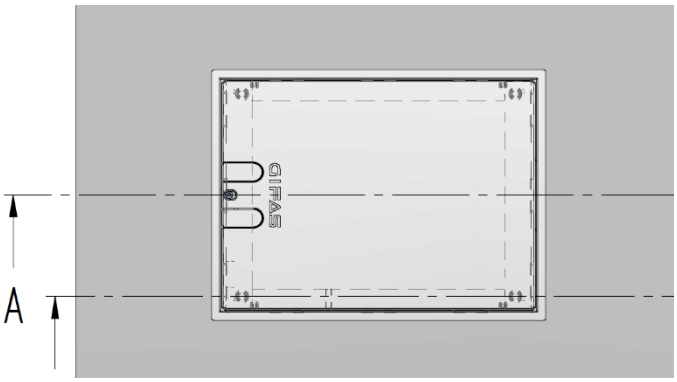
4.1.2 Installation with polystyrene recess shutter block

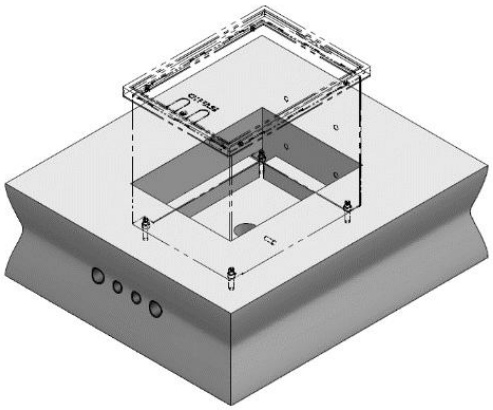


B–B



A–A





1. Floor covering
2. Floor structure (Earth, cavity …)
3. Stable material (mortar, concrete …)
4. 4x Levelling support / threaded bolt M8 (optional)
5. Feed-in conduit
6. Drainage
7. Polystyrene shutter block

4.2 Connection to Electricity

⚠ Caution

Connection to the mains supply may only be carried out by professionally trained personnel and is the responsibility of the operator.

5 Maintenance / Debugging

5.1 Inspection and maintenance plan

Work to be carried out:	Time period/frequency:
Inspection of the lock system	1x year
Cleaning of the lid cover surface	1x month
Cleaning of the Drainage	as required
Check of power distribution equipment	in accordance with the country-specific provisions

5.2 Description of inspection and maintenance work

The lock system must be checked at suitable intervals, cleaned and greased if necessary.

Dirt must be removed from the contact surface of the cover at suitable intervals to ensure secure closing.

The electrical distribution equipment must be maintained and, if need be, overhauled by professionally trained personnel, in accordance with the regulations, standards and rules of the respective country.

5.3 Measures for fault elimination

Fault/error message	Possible cause(s)	Remedy
Cover does not close	Lid cover surface dirty	Cleaning the lid cover surface
Cover does not close	Lock system defective	Change/ clean lock system
Ground fault circuit breaker trips	Electrical defect	Repair by qualified tradesman

6 Service

6.1 Service addresses

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6.2 Imprint

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