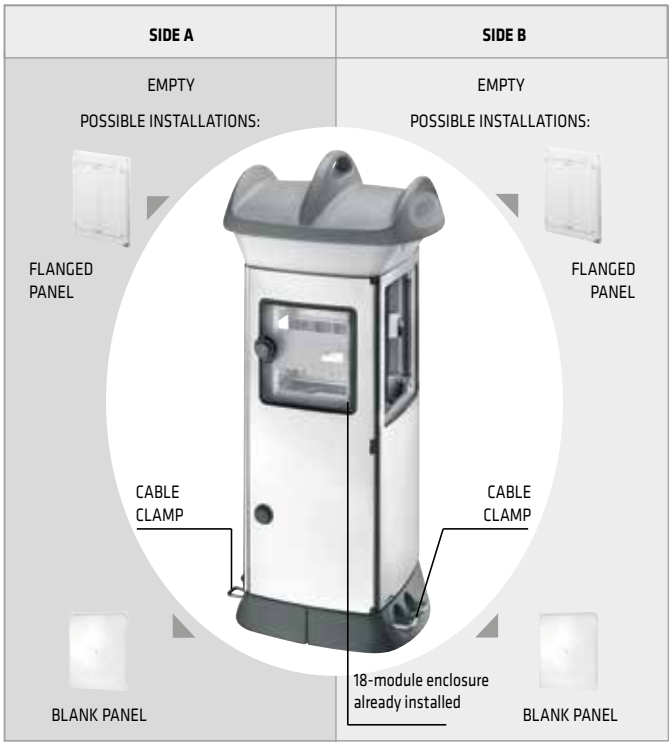
COMPACT PEDESTAL IN STAINLESS STEEL AISI 316l

Technical data and compliance with Standards

Board type	Reference Standards	Degree of protection (IP)	Protection	Impact resistance at ambient temperature (IK code)	Heat resistance	Resistance to abnormal heat and fire	Operating temperature (°C)
			Indirect contacts		Thermo-pressure with ball (°C)	Glow Wire Test (°C)	
Empty terminals	EN 62208	IP 56	⧈	IK 10	70	650	-25; +40
Assembled and wired terminals (AS)	EN 60439-1	IP 44 / IP56 (depending on the socket-outlets)		IK 10 (shell) IK 09 (installed components)		850 (active parts) 650 (passive parts)	-5; + 40

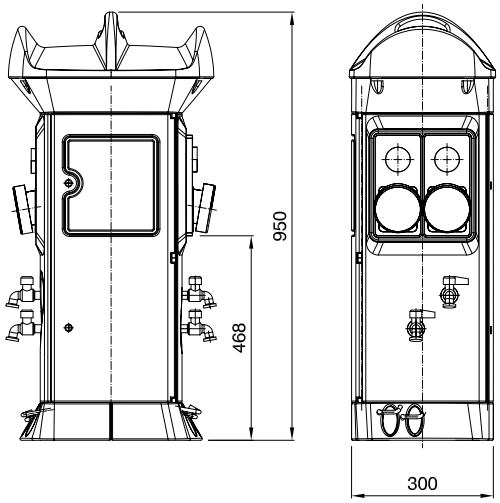
BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS										
Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Resistant	Resistant	Resistant	Resistant	Limited resistance	Limited resistance	Limited resistance	Resistant	Resistant	Resistant

Panel modular structure



Dimension tables - compact terminals in stainless steel

Q-MC 63 X COMPACT TERMINALS - 2 MODULES



FIXING BASE WITH CENTRE DISTANCES

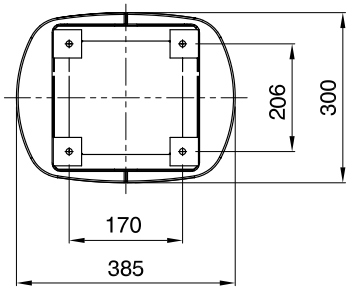
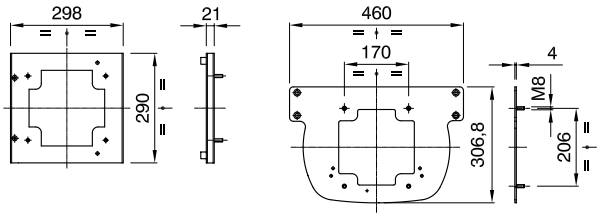
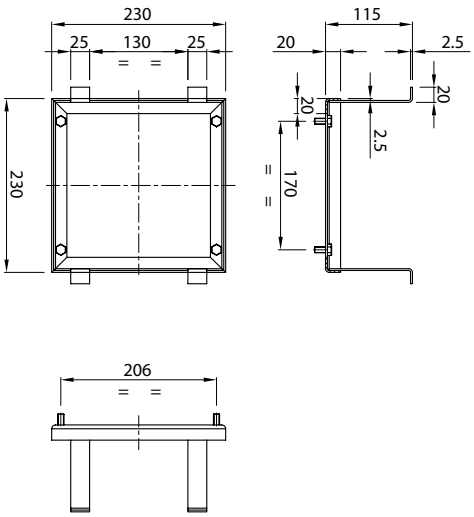


PLATE FOR PIERS



GW 68 782 GW 68 781

PLATE FOR CONCRETE - GW 68 796



COMPACT PEDESTAL IN INSULATED MATERIAL

Technical data and compliance with Standards

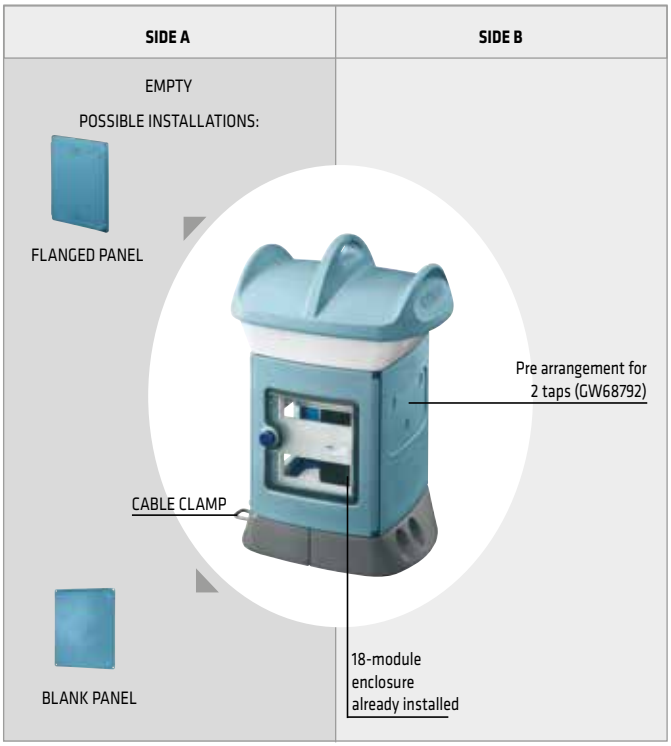
Board type	Reference Standards	Degree of protection (IP)	Protection	Impact resistance at ambient temperature (IK code)	Resistenza al calore	Resistance to abnormal heat and fire	Operating temperature (°C)"
			Indirect contacts		Thermo-pressure with ball (°C)	Glow Wire Test (°C)	
Empty terminals	EN 62208	IP 56	⧈	IK 10	70	650	-25; + 40
Assembled and wired terminals (AS)	EN 60439-1	IP44 / IP55/56 (depending on socket-outlets)		IK 10 (shell) IK 09 (installed components)		850 (active parts) 650 (passive parts)	-5; + 40
Access control	EN 60699-2-1	IP 56		IK 08 (shell)		650	0; + 40

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS										
Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Limited resistance	Resistant	Limited resistance	Resistant

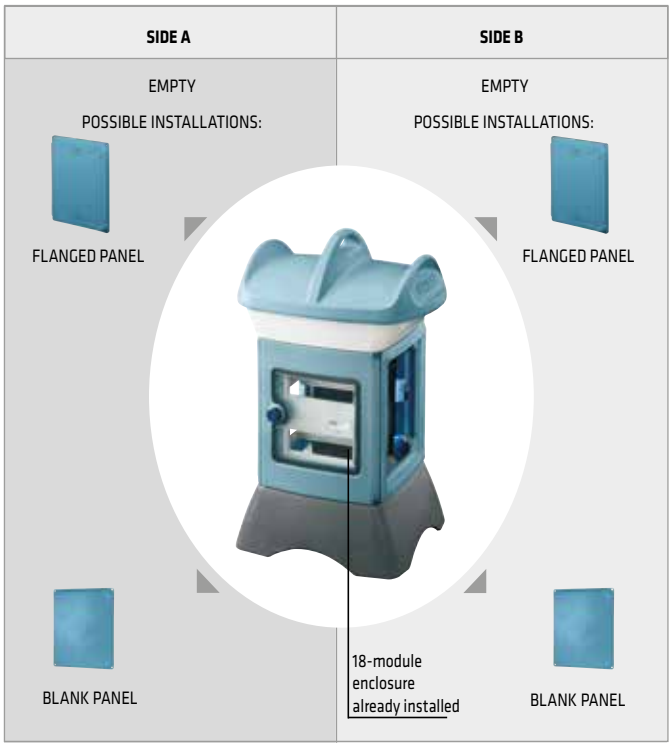
Compact distribution terminals

Panel modular structure

Q-MC 16 B COMPACT TERMINAL WITH SINGLE-FACE TAKE-OFF
GW 68 701 A - GW 68 701 W



Q-MC 16 B AND Q-MC 16 T COMPACT TERMINALS WITH DOUBLE-FACE TAKE-OFF
GW 68 711 A - GW 68 712 A AND GW 68 711 W - GW 68 712 W



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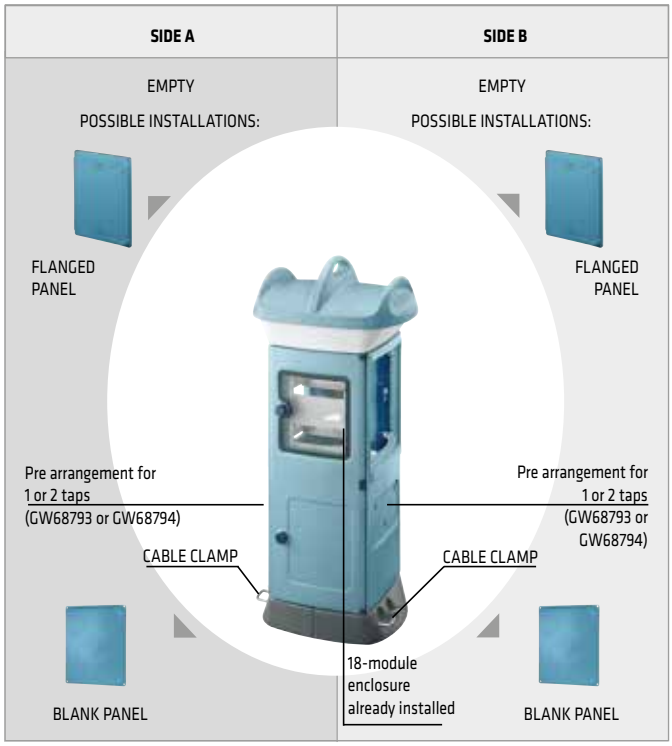
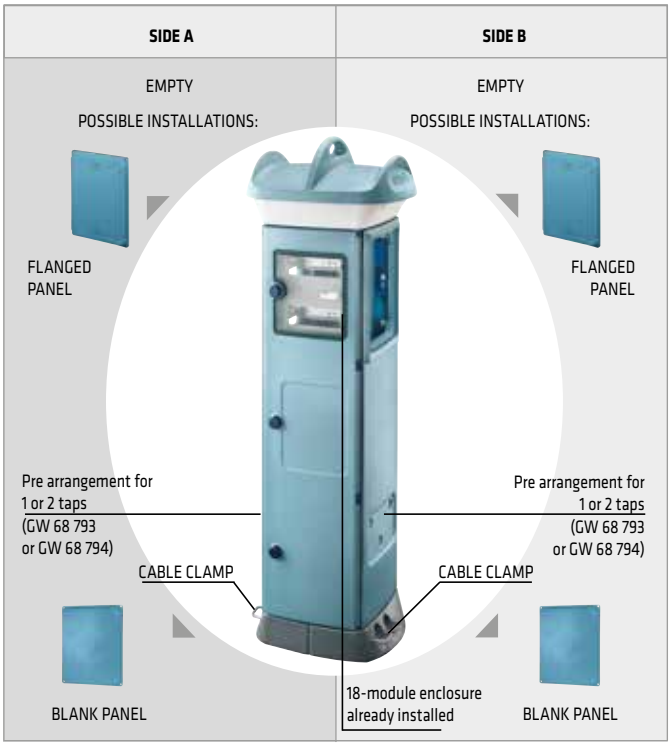
Q-MC 63 B COMPACT TERMINAL WITH DOUBLE-FACE TAKE-OFF
GW 68 713 A - GW 68 713 W



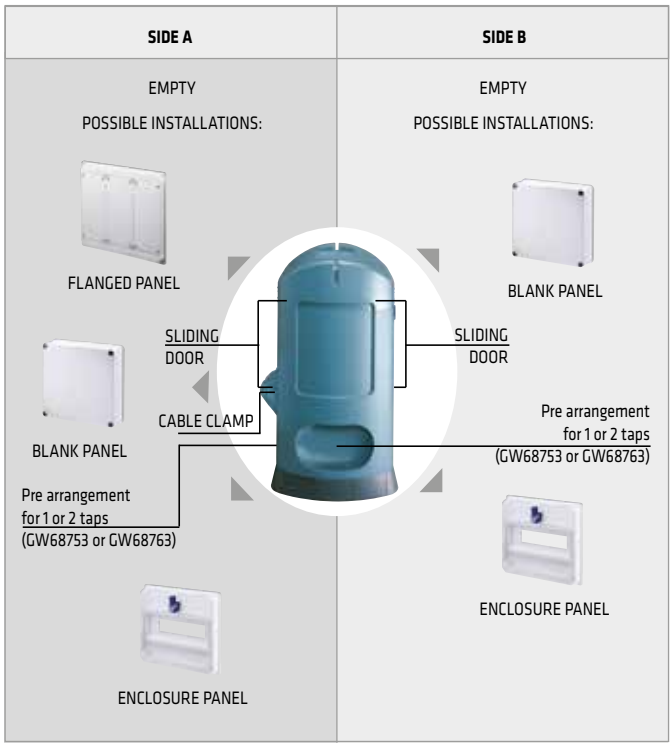
QM-C 63 C COMPACT TERMINAL WITH DOUBLE-FACE TAKE-OFF
GW 68 714 A - GW 68 714 W



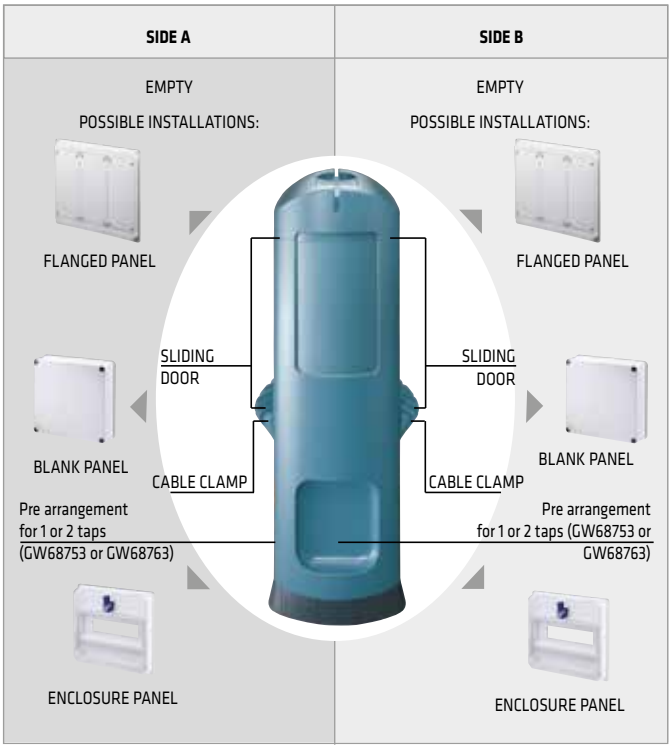
Standard and high capacity distribution terminals

Panel modular structure

Q-MC 125 B STANDARD TERMINAL WITH SINGLE-FACE TAKE-OFF
GW 68 715 A - GW 68 715 W



Q-MC 200 B HIGH CAPACITY TERMINAL WITH DOUBLE-FACE TAKE-OFF
GW 68 717 A - GW 68 717 W



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Characteristics of prepaid and centralised systems

The prepaid system is made up of the following components:
- 68 Q-MC terminals;
- access control;
- console for programming transponder keys;
- PC with dedicated software to program transponder keys.

In order to achieve the centralised management system, it is necessary to connect the terminals to the PC with a serial data cable. The PC must be equipped with the special USB/RS485 converter and the specific centralised management software (both available from the catalogue - code GW 68 995 for systems up to 75 terminals, and code GW 68 993 for systems with more than 75 terminals). From a PC, installed for example in the facility reception area (port or campsite), it is possible to monitor and control the terminals.

More specifically, the main functions of a centralised system are:
- Status of power socket-outlets: open/closed, protection device triggered, instantaneous consumption (kW) and total consumption (kWh).
- Status of water outlets: open/closed, instantaneous consumption (m^3/s) and total consumption (m^3).
- Consent from central PC to use the services (energy and/or water); service action/deactivation for water and energy supply must always be carried out with the transponder key.
- Sending of brief messages to the users; they can be read when accessing with transponder keys.
- Management of a client database, integrable with other application software packages for managing doors and systems.

For services greater than 125A, it is necessary to operate the one-way switch after enabling the service with the transponder key.

Access control is integrated within the 68 Q-MC range of systems, in order to provide permission to pass through the gates in the structure in question, as well as enabling the use of any other services provided. In particular, access is granted via the same transponder keys used for energy take-up on the distribution columns with electronic management, and can be provided both free and on a payment basis, in accordance with the type of access/service to be controlled or managed.

PREPAID AND CENTRALISED SYSTEM - TERMINAL COMPONENTS
Electronic devices on the terminals are made up of the following components: - monitoring and control unit (electronic card on board distribution pillar);
- graphic LCD display of 128x64 pixels;
- reading area for transponder key;
- contactors for activating the energy supply (versions up to 125A);
- solenoid valves for enabling the water supply, and volumetric contactors for calculating consumption

PREPAID AND CENTRALISED SYSTEM - TERMINAL TECHNICAL DATA	
Power supply voltage:	230V AC 50Hz
Absorbed power without load:	10V A
Ambient operating temperature: (1)	-0°C ÷ +40°C
Ambient storage temperature:	-25°C ÷ +40°C
Humidity:	max. 98% (non-condensing)
Degree of protection:	IP 55/56

(1) the control unit can operate at higher working temperatures because the internal temperature is always higher than the external one

EXAMPLE OF OPERATION
The operations that user must carry out in order to activate a service are:
1 - bring the transponder key near the reading area;
2 - select the circuit and type of service required (only energy/ only water / both): each selection is made by leaving the transponder key positioned near the reading area; the selectable items are displayed in a sequence; to select, remove the key from the reading area when the required item is displayed; a “beep” will confirm selection.
The display shows:
• the circuit activated and the services supplied;
• the available credit (only with prepaid system).
To deactivate the circuit, return the key to the reading area, select the type of service to be deactivated, and confirm; a “beep” will confirm the operation.

CENTRALISED SYSTEM TECHNICAL DATA
Maximum number of terminals: max. 250 for each line. The system can be managed on several lines by using several USB ports or adding a USB HUB.
Communication between PC and terminals: Modbus/RS485 standard
Connection cable between PC and terminals: shielded with a pair of 0.22mm^2 twisted cables with an impedance of 120 Ω (consult SAT for the detailed electrical characteristics)
Maximum length of each line: 1200m in ideal conditions. For greater lengths, it is possible to use signal repeaters (consult SAT)

Prepaid electronic management - “Stand-alone” operating system

Terminals are independent from the central PC (located in the reception area).

The system allows:
- local enabling/disabling of energy and water supply;
- calculation of energy and water consumption for each service, with the relative credit decrease.
- enablig at controlled areas

Reception desk

Transponder key programming console

Transponder key

Electronic terminals up to 400A

Electronic terminals up to 125A

Electronic terminals up to 125A

Surface-mounting access control

Centralised electronic management - remote monitoring operations

The terminals are connected to the central PC by data BUS.

The system allows:
- remote consent for energy and water supply;
- remote calculation of energy and water consumption;
- supervision of operation status for each terminal;
- management of client database and sending of brief messages.
- enablig at controlled areas

Reception desk

Transponder key programming console

Transponder key

Kit for centralised management

DATA BUS

Electronic terminals up to 400A

Electronic terminals up to 125A

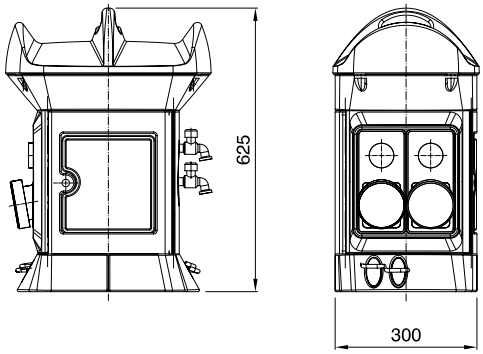
Electronic terminals up to 125A

Surface-mounting access control

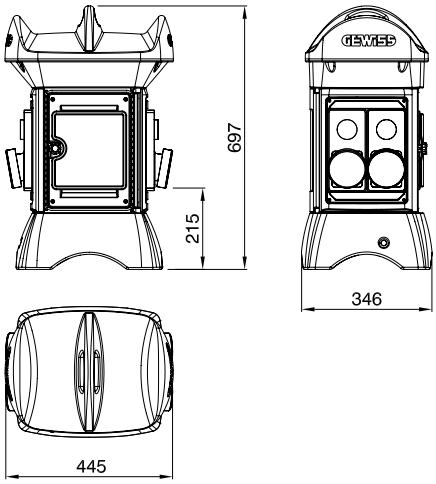
For technical information contact the Technical Assistance Service or visit gewiss.com

Dimension tables - Compact pedestal in insulated material

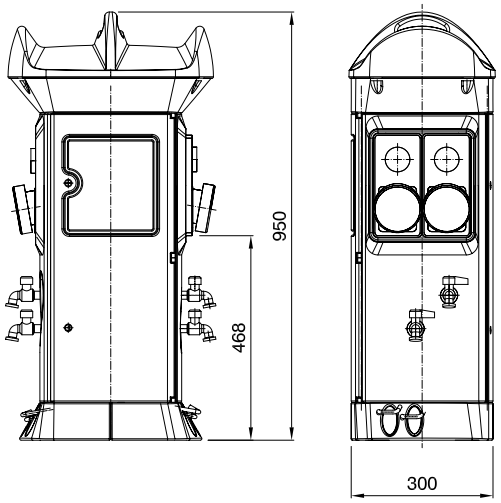
Q-MC 16 B COMPACT TERMINALS - 1 MODULE



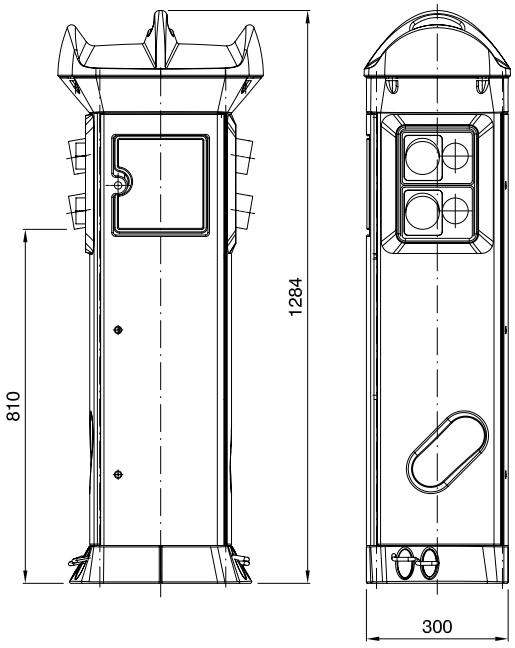
Q-MC 16 T COMPACT TERMINALS - 1 MODULE



Q-MC 63 B COMPACT TERMINALS 2 MODULES



Q-MC 63 C COMPACT TERMINALS 3 MODULES



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FIXING BASE WITH CENTRE DISTANCES

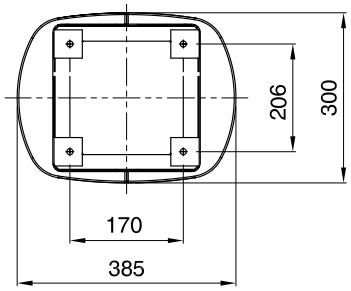
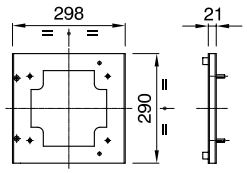
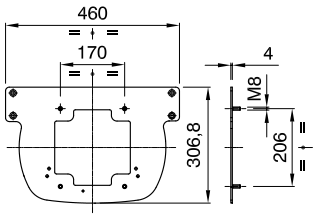


PLATE FOR PIERS

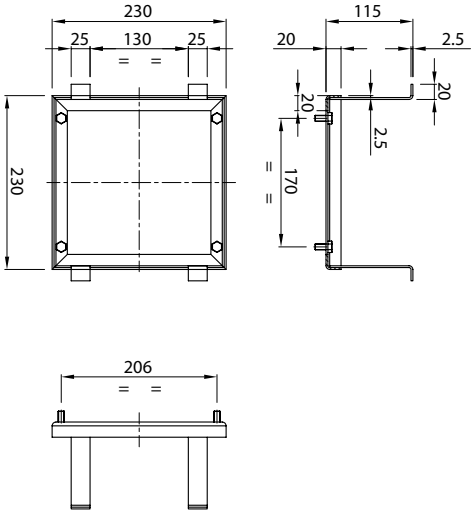


GW 68 782



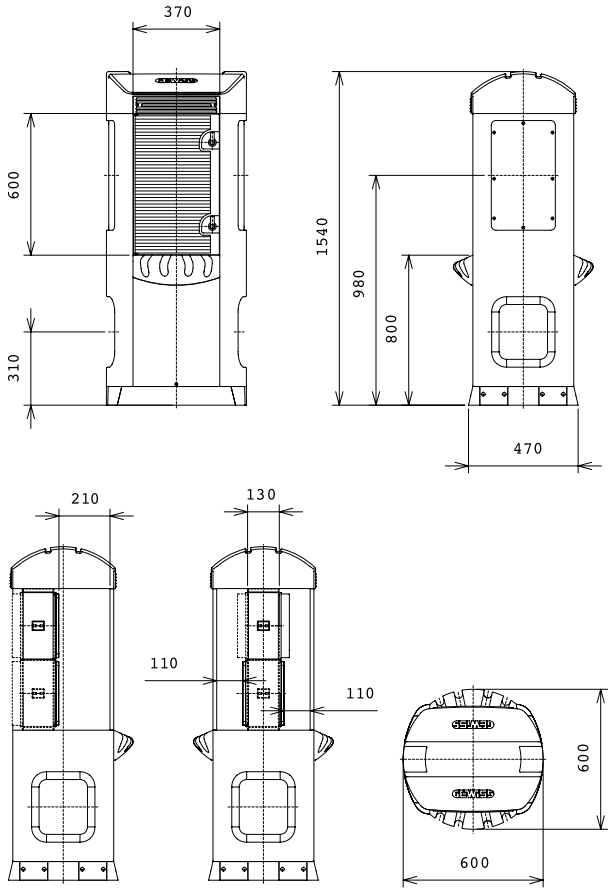
GW 68 781

PLATE FOR CONCRETE - GW 68 796

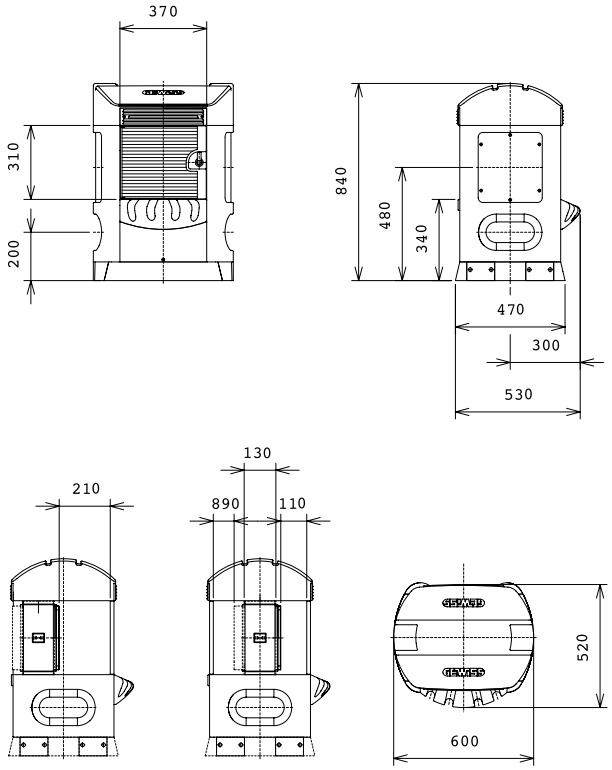


Dimension tables - Standard and high capacity pedestal in insulated material

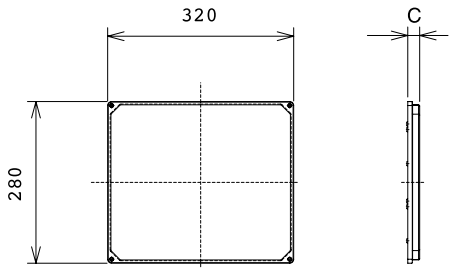
Q-MC 200 B HIGH CAPACITY TERMINALS



Q-MC 125 B STANDARD TERMINALS

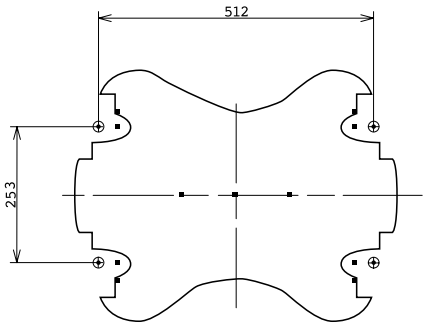


PANELS

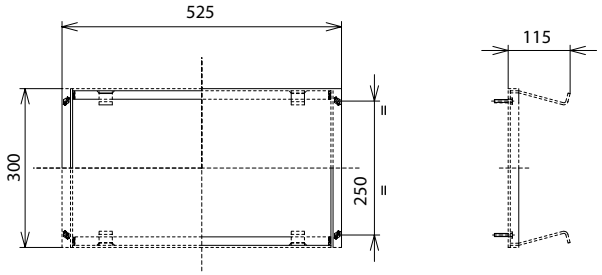


Panel code	Dimension C (mm)
GW 68 731 W	21
GW 68 732 W	
GW 68 733 W	
GW 68 734 W	
GW 68 735 W	
GW 68 736 W	110
GW 68 737 A	43
GW 68 737 W	
GW 68 741 A	
GW 68 741 W	

FIXING BASE WITH CENTRE DISTANCES



FIXING PLATE WITH CONCRETE - GW 68 761



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Dimension tables - Surface-mounting transponder reader for access control

ACCESS CONTROL - GW68998