


68 ACS RANGE BUILDING SITE DISTRIBUTION SYSTEM

Range of building site distribution systems compliant with the CEI 64-8/7 Standard for application in construction and demolition building sites. The directives of CEI 64-8/7 Standard identify compliance to the EN 60439-4 Standard for electrical distribution boards in building sites, and extend the field of application of the Standard to the following systems:

- new build;
- renovation, extension and demolition of existing buildings;
- public works;
- earth moving works;
- similar works.

The definition of "electrical ACS board, Assemblies for Construction Sites", declares that the product complies with the EN 60439-4 Standard. These boards are available in the Q-BOX, Q-DIN, COMBIBLOC and QMC versions, fully factory-wired, and are supplied with relevant certification and wiring diagram. Otherwise it is possible to wire empty boards and obtain certification based on the configurations of the Prearranged Construction System.

TECHNICAL DATA AND COMPLIANCE WITH STANDARDS

Type of board	Reference Standards	Protection rating (IP)	Insulation provided by the enclosure	Enclosure			Devices on main circuits	Accessories supplied	Accessories
				Impact resistance at ambient temperature (IK code)	Thermo-pressure with ball (°C)	Glow Wire test (°C)			
Q-DIN	CEI 17-13/4 EN 60439-4 IEC 60439-4	IP 44 IP 55		Envelope Ik 09 Residential sockets Ik 08	70	650	RCB	–	– Support with cable support – Carrier with rotating drum – For Q-DIN 4 shockproof casing GW 68436
Q-BOX 4-6 Fixed plug power supply		IP 55		Enclosure Ik 10 Installed components Ik 09			RCCB	Network presence indicator and emergency stop push-button	– Self-supporting support frame – Fixing brackets – Arrangement for equipotential bar – Mechanical block, extraction of fixed power supply plug – Possibility of fitting locks on board doors
Q-BOX 4-6 Terminal blocks power supply									
COMBIBLOC				IP 55				Ik 08	80
QMC		IP 56		Ik 09			70		emergency push-button

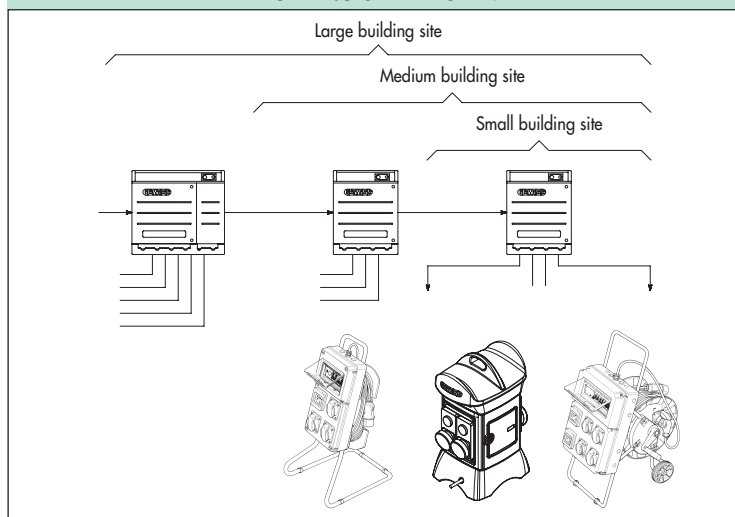
BEHAVIOUR OF ENCLOSURES WITH CHEMICAL AND ATMOSPHERIC AGENTS

Agent	Saline solution	Acids		Bases		Solvents				Mineral oil	UV Rays
		Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Q-BOX	Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Limited resistance	Resistant	Limited resistance	Resistant
Q-DIN	Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Not resistant	Not resistant	Not resistant	Limited resistance	Limited resistance
Q-DIN 4 shockproof casing	Limited resistance	Not resistant	Limited resistance	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
COMBIBLOC	Limited resistance	Not resistant	Limited resistance	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
QMC	Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Limited resistance	Limited resistance	Limited resistance	Resistant	Limited resistance	Resistant

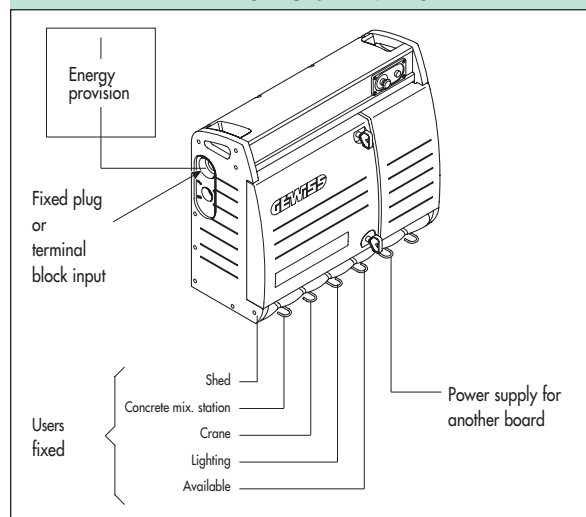
The range enables to fully cover all installation solutions which can arise on a building site and, specifically:

- Possibility of connecting and co-ordinating various boards in order to create the whole system rapidly and safely on the building site.
- Versions with fixed plug or terminal block input.
- Availability of various movable Q-DIN/COMBIBLOC and QMC for supplying power to movable users, which can be used anywhere.

BUILDING SITE DIAGRAM



APPLICATION EXAMPLES



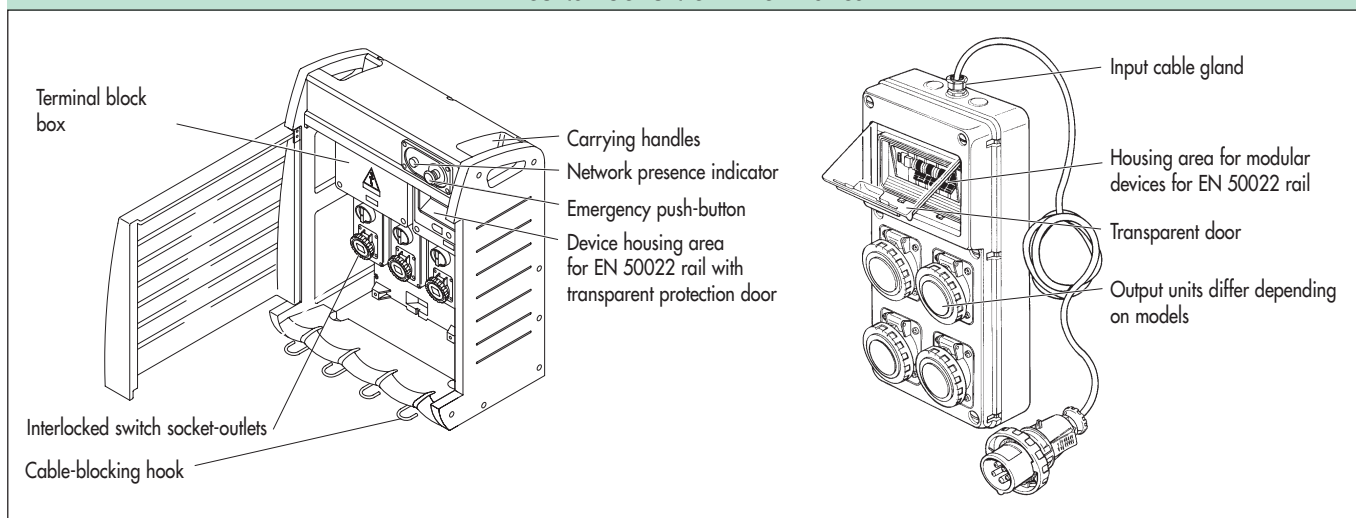
APPLICATION FIELDS

ACS board type	Building site type			Use as a distribution board			Typical functions	Specifications	Item code
	Small I ≤ 32A	Medium I ≤ 63A	Large I ≤ 100A	Main	Area	Flat			
QMC Q-DIN (all versions) COMBIBLOC	•					•	Direct powering of tools	<ul style="list-style-type: none"> • Product handling extremely easy • Availability of supports and carrier for convenient positioning 	All ACS models proposed
		•				•			
						•			
Q-BOX 4	•					•	Direct powering of tools	<ul style="list-style-type: none"> • Emergency stop push-button • Blinking network presence indicator • Possibility of securing access to the board or protection devices with a key. • Surface-mounting or support-mounting to avoid blocking work areas/passageways. • Presence of IEC 309 sockets only 	GW 68 481 GW 68 482
		•		•	•		Power supply for fixed/movable users and other boards	<ul style="list-style-type: none"> • Presence of 3P+N+T outputs to power other boards • Emergency stop push-button • Blinking network presence indicator • Possibility of securing access to the board or protection devices with a key. • Surface-mounting or support-mounting to avoid blocking work areas/passageways. • Presence of IEC 309 sockets only 	GW 68 483 GW 68 513 GW 68 514 GW 68 484 GW 68 511 GW 68 512
			•		•				
Q-BOX 6	•					•	Direct powering of tools	<ul style="list-style-type: none"> • Emergency stop push-button • Blinking network presence indicator • Possibility of securing access to the board or protection devices with a key. • Surface-mounting or support-mounting to avoid blocking work areas/passageways. • Presence of IEC 309 sockets only 	GW 68 473
		•		•	•		Power supply for fixed/movable users and other boards	<ul style="list-style-type: none"> • Presence of 3P+N+T outputs to power other boards • Emergency stop push-button • Blinking network presence indicator • Possibility of securing access to the board or protection devices with a key. • Surface-mounting or support-mounting to avoid blocking work areas/passageways. • Presence of IEC 309 sockets only 	For area distribution board: GW 68 491 - GW 68 474 - GW 68 492 GW 68 49 - GW 68 494 - GW 68 471 GW 68 472* For main board: GW 68 495 - GW 68 496 - GW 68 497
			•	•	•				

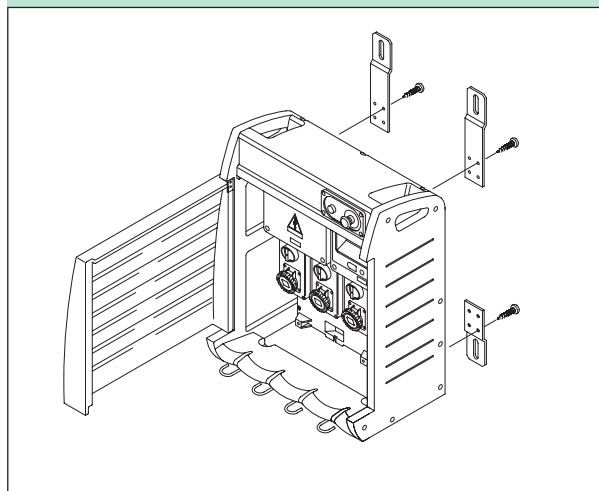
*Used to feed users directly in special systems

TECHNICAL CHARACTERISTICS

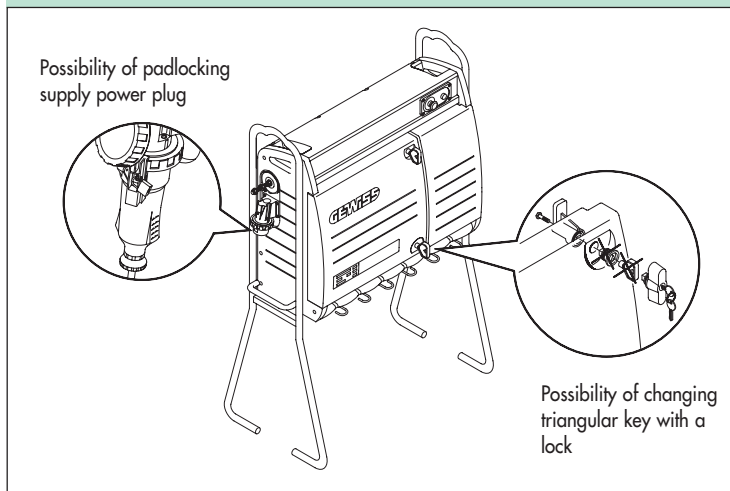
CONSTRUCTION CHARACTERISTICS



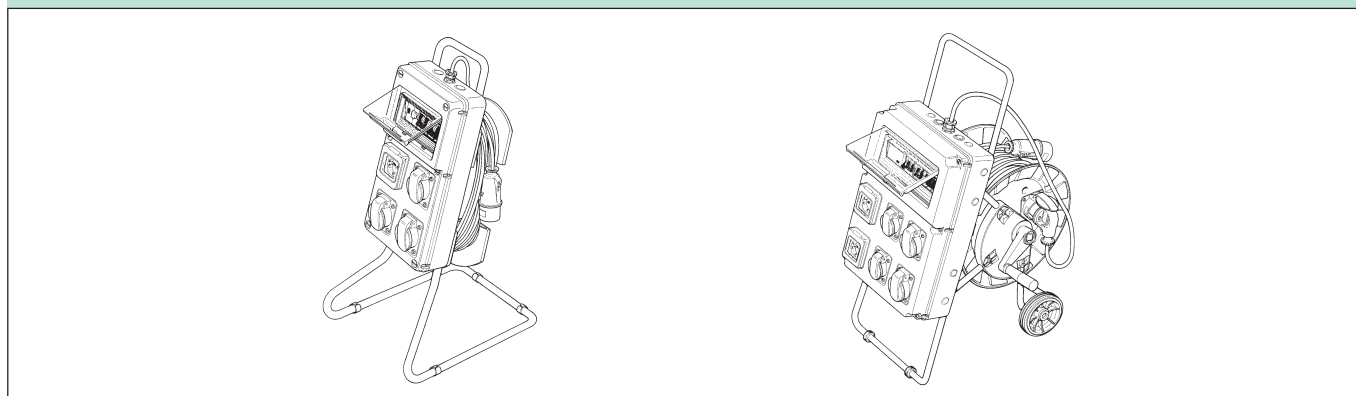
Q-BOX INSTALLATION CHARACTERISTICS - WALL-MOUNTING INSTALLATION WITH BRACKETS



Q-BOX INSTALLATION CHARACTERISTICS - INSTALLATION ON SELF-SUPPORTING FRAME

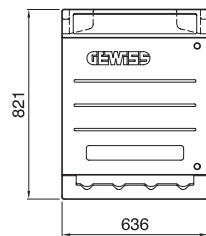


Q-DIN INSTALLATION CHARACTERISTICS - INSTALLATION OF Q-DIN ON SUPPORT OR CARRIER

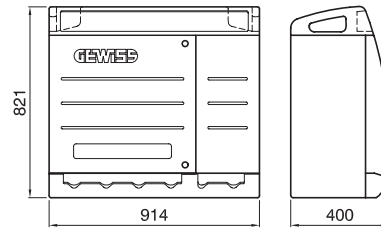


DIMENSION TABLES

Q - BOX 4/6 BOARDS

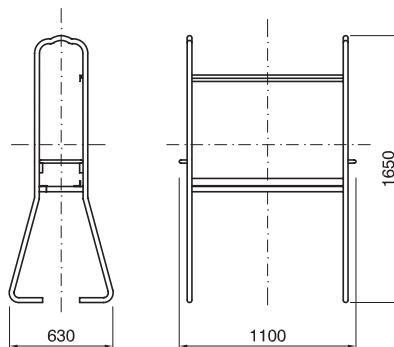


GW 68 465



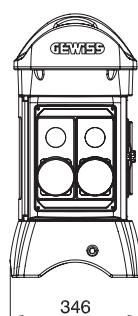
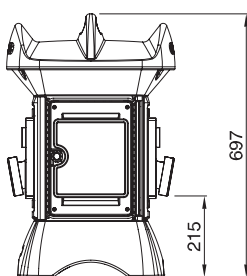
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Q-BOX 4/6 BUILDING SITE SUPPORT

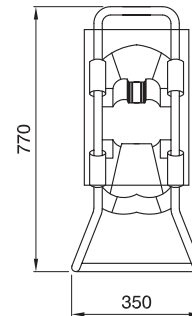


GW 68 463

QMC 16T - COMBIBLOC TERMINAL



GW 66 386
GW 66 387



GW 66 388
GW 66 389