



# Control Box CA63

## Data sheet

# CA63

The LINAK control box CA63 with analogue input offers a consolidated range of unprecedented features – all utilising standardised technology, interfaces and compatibility.

The CA63 for LINAK actuators is intended for the control of, for example, homecare bed movement. Equipped with 200 W SMPS, Bluetooth®, excellent and well-thought-out cable management as well as multiple easy mounting options, this control box opens up a wide range of application possibilities for the provident hospital and care products manufacturer.

With the CA63, FET, IPX6 Washable DURA™ protection and a battery port, are all standard options. The entire product platform supports the LINAK principle *“One World – One box”* – worldwide operable and applicable.



## Features and Options:

- Power supply: Universal, SMPS, 200 W power output (Switch Mode Power Supply), 100-240 VAC, 50/60 Hz -15% / +10%
- Mains indicator: Yes - Green LED (mains connected)
- Actuator interface: 4 channel, 6 pin Mini-Fit
- Wireless: Yes, Bluetooth®
- Battery interface: 1 port, 4 pin Mini-Fit (output 300 mA when no actuators are running)
- Standby power: Approx. 0.5 W (230 V)
- Colour: Light grey (RAL 7035)
- Output short-circuit protected: Yes
- Control concept: FET (no relay noise)
- Power Supply Circuit Method: Half bridge
- Duty cycle: 10% - 2/18 min. on/off continuous use. Maximum power is 200 W for 80 seconds and 100 W for 40 seconds at 25° C
- Weight: Low weight 0.5 kg
- Actuator compatibility: Actuators with signal, feedback by hall and potentiometer
- Battery charger: Battery input available  
No charger, but supports battery with internal charger
- Buzzer: Internally
- Battery alarm: Supported
- EOP: Yes
- Flammability rating: V-0, PP
- IP-Rating: IPX6 Washable DURA™
- Operation: True parallel
- Max. current: 10 A/CH
- Accessories: Analogue common standard HB
- Power management: High speed at low loads and/or high loads at a lower speed
- Overload protection: The CA63 can reduce the output voltages to prevent overload
- Safety system: Thermally protected  
Short-circuit protected  
Hot-plugging protected
- Start/stop: Soft start/ direct stop
- Protection class: Class 2  
Class 1 is possible with pigtail on mains cable
- Cable lock: Integrated in lid
- External power support (hand control output): 40 V/200 mA (polyfuse protection)
- Mounting: Compatible with a wide range of mounting brackets
- PCP version: PCP 2.0 (PCP 1.0 available in SW)

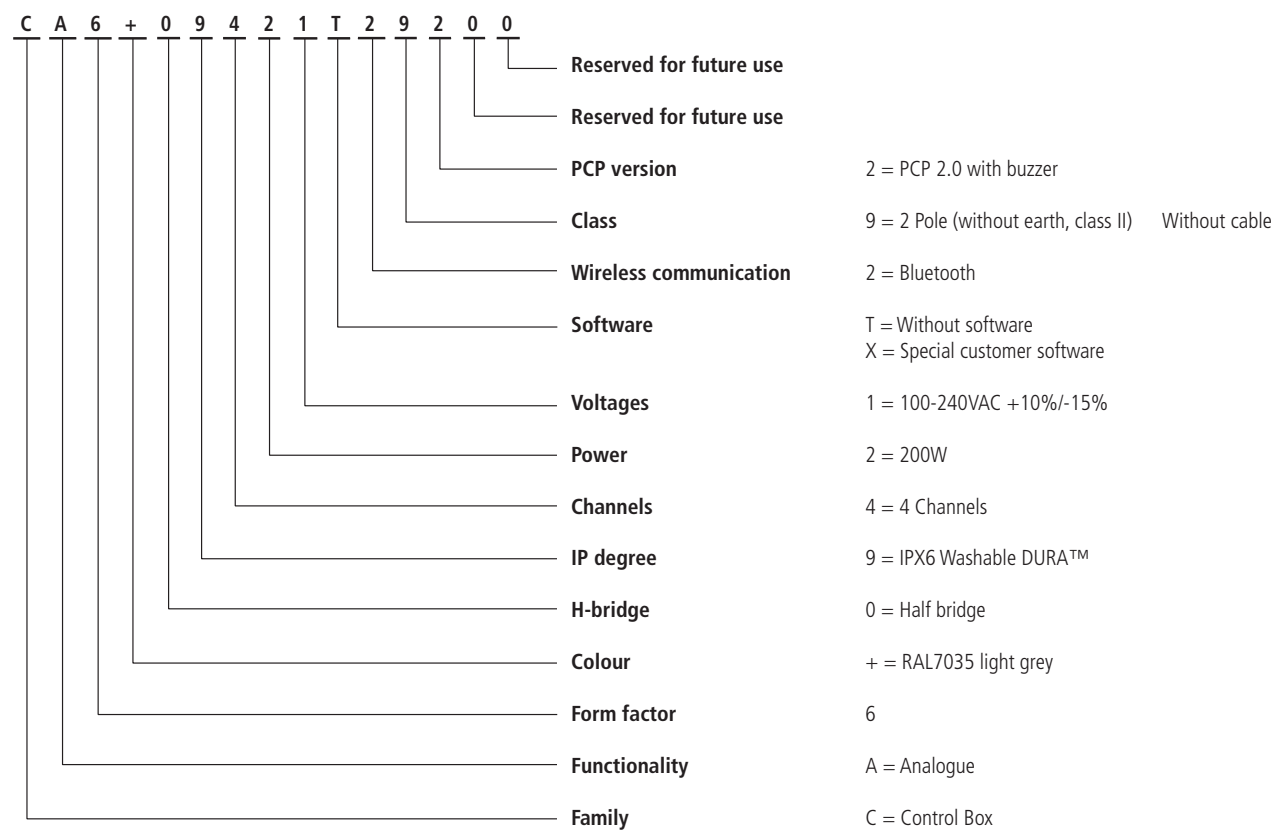
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Usage:

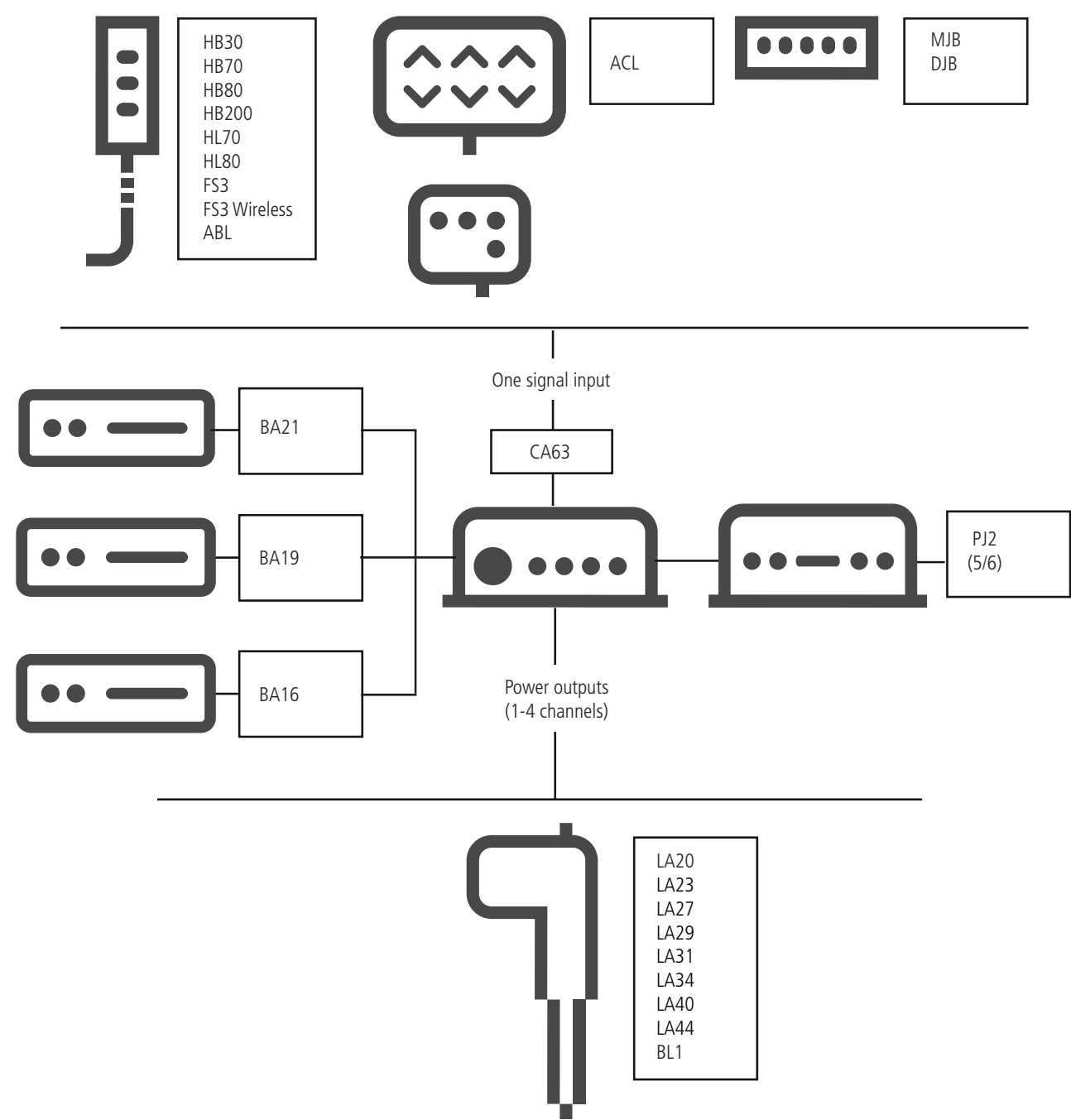
- Operation temperature: +5 °C to +40 °C
- Storage temperature: -10 °C to +50 °C
- Relative humidity: 20% - 80% - non-condensing
- Atmospheric pressure: 700 to 1060 hPa
- Meters above sea level: Max. 3000 meters
- Approvals: IEC60601-1 edition 3.1  
ANSI/AAMI ES60601-1:2005/(R) 2012  
CSA CAN/CSA-C22.2 NO. 60601-1:14  
IPX6 Washable in accordance with IEC60601-2-52

CA63

Ordering example:

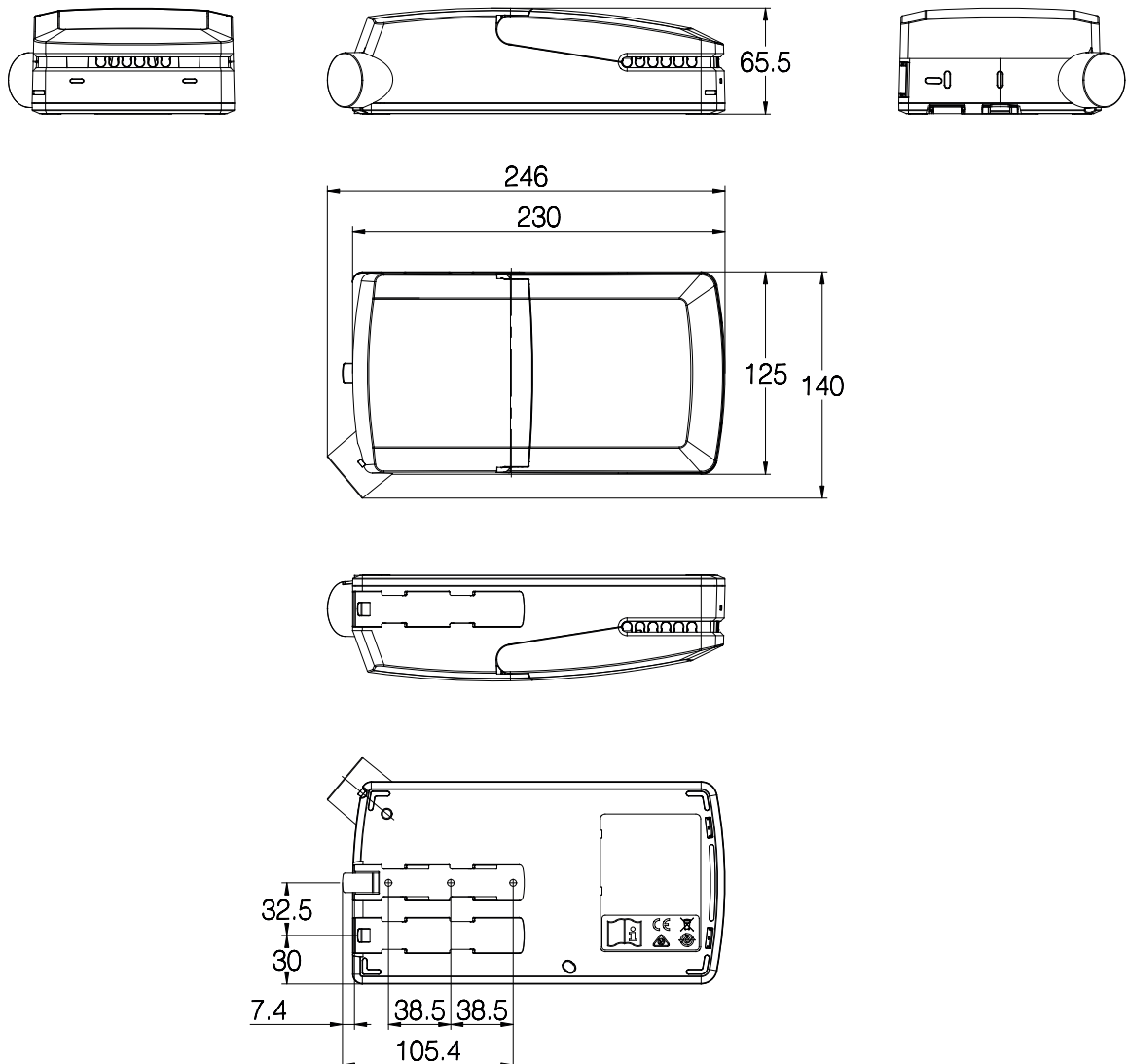


CA63 system overview



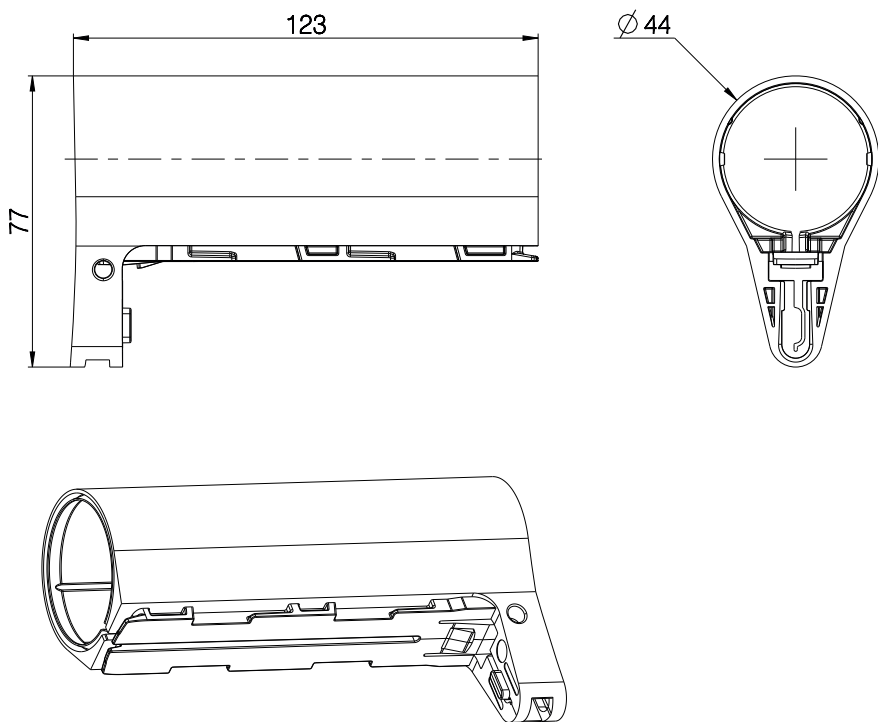
When the CA63 is connected to mains, the LED is green. Connected only to battery, the LED is off.

**Dimension drawing:**



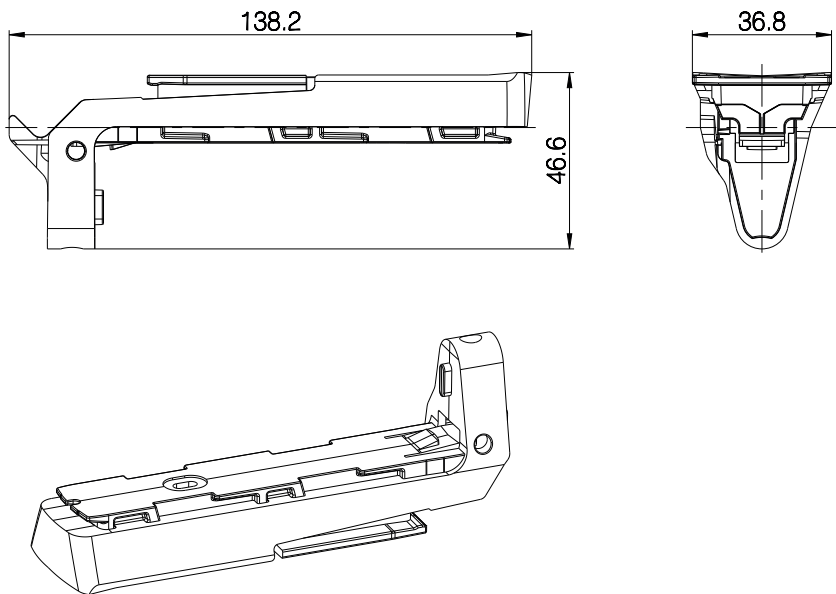
Mounting brackets:

For mounting with LA40  
Article No.: 1015W1002



Drawing No.: 1015W4002

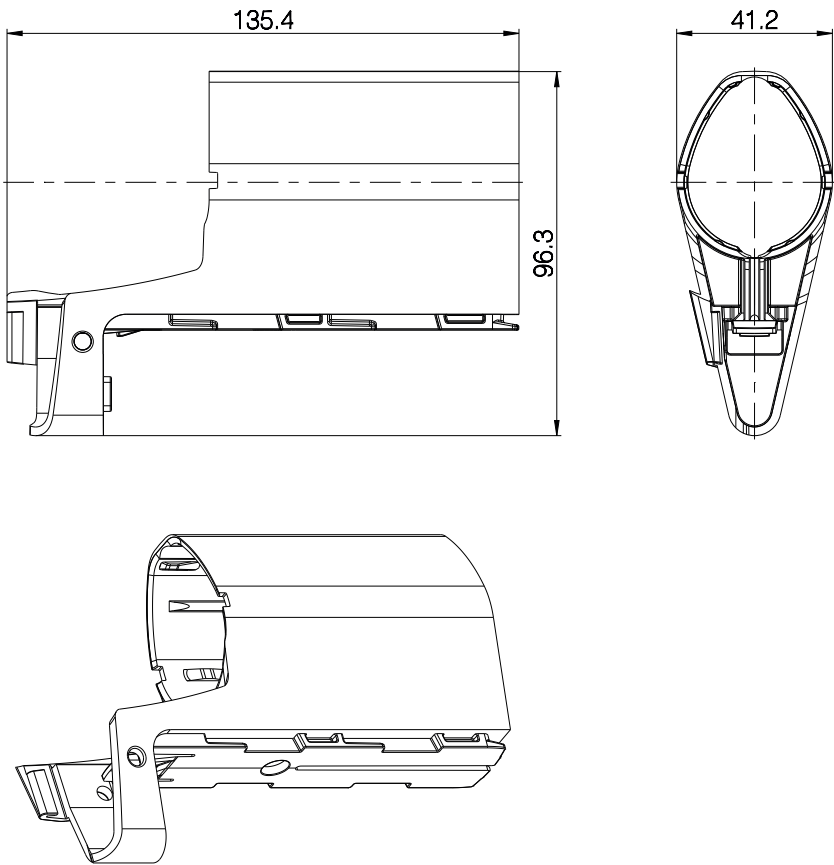
For mounting with LA31  
Article No.: 1015W1004



Drawing No.: 1015W1004

**Mounting brackets:**

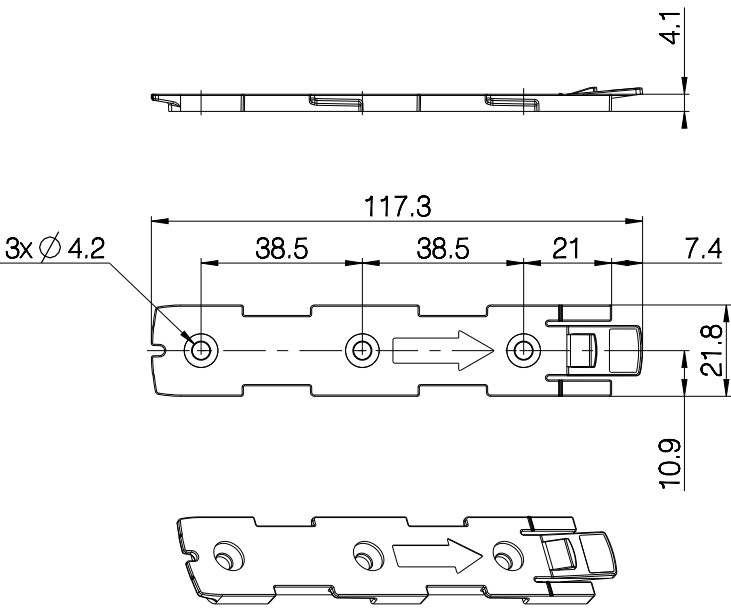
For mounting with LA27  
Article No.: 1015W9003



Drawing No: 1015W4003

Mounting bracket (frame flat)

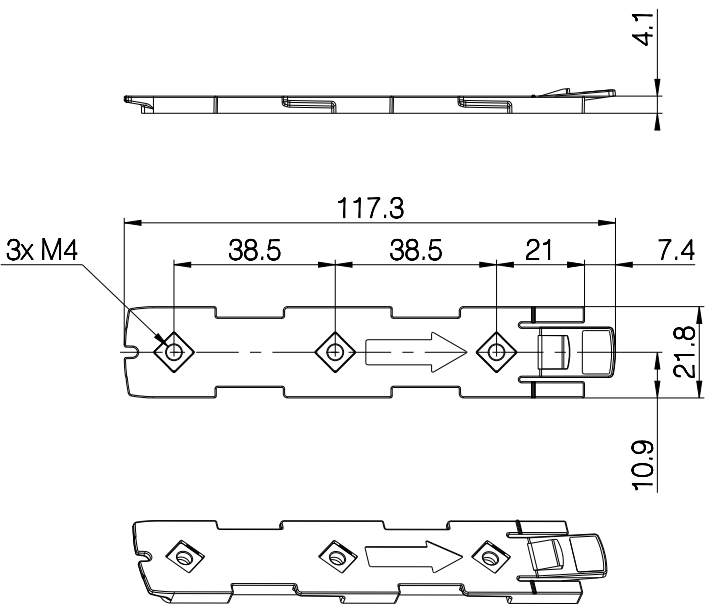
Article No. 1015W1001



Drawing No.: 1015W4001

Mounting bracket (frame flat) w/M4 nuts

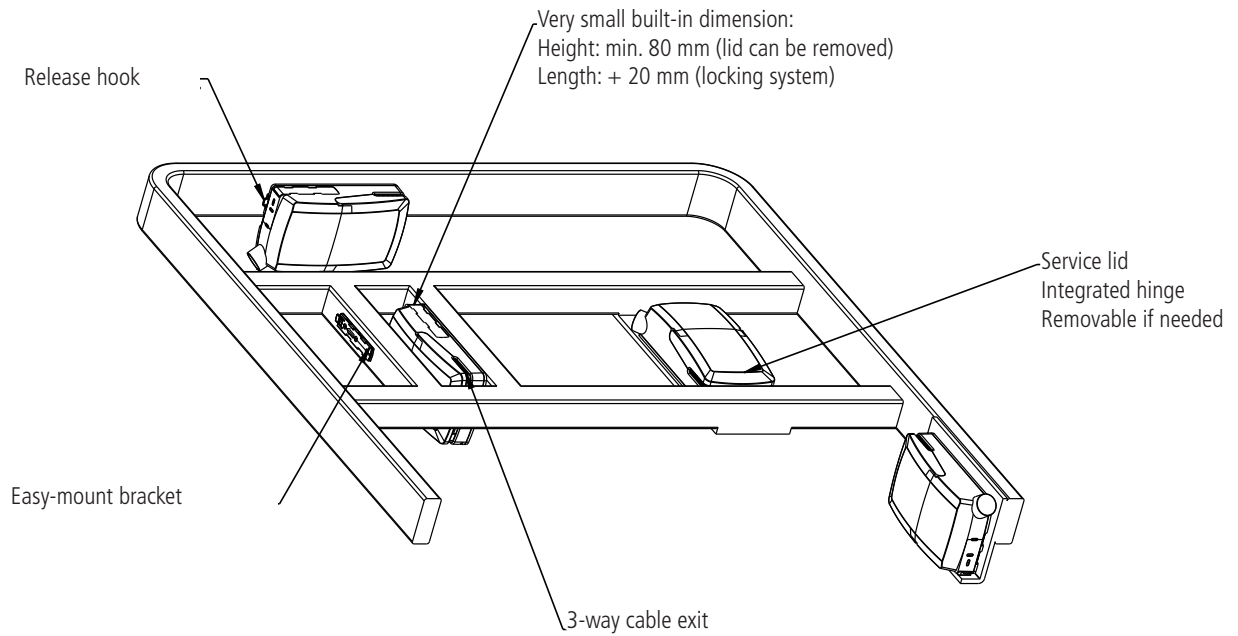
Article No. 1015W9009



Drawing No.: 1015W4009



## Mounted on frame



Drawing No.: 1013W4008

It is recommended to mount the CA63 in a position that allows water to escape.

Recommended torque: 0.6 Nm  $\pm$  0.1

The bracket can be mounted to the bed frame or any other application by following one of the following mounting procedures:

- 1) M6 nut to be placed in bracket and fixed with M6 bolt from the rear side.
- 2) M5 machine screw with flat washer to be fixed through bracket with nut on the rear side.
- 3) Self-tapping screw to be placed through bracket and onto the frame.

### Mounting of cables and cable lock:

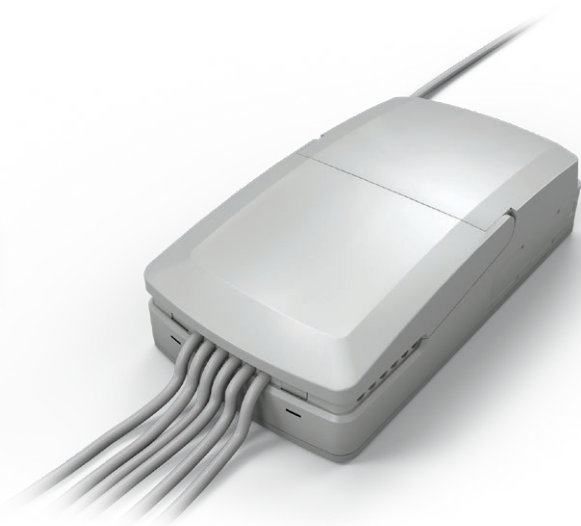
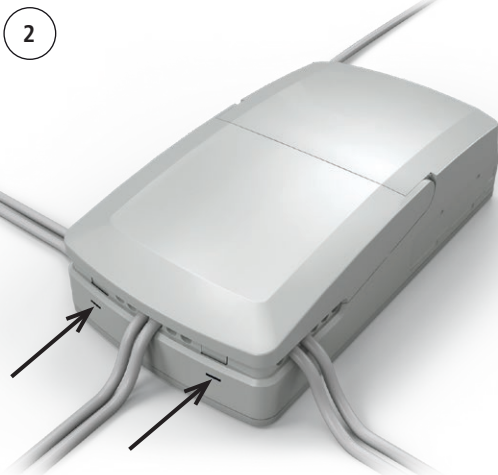
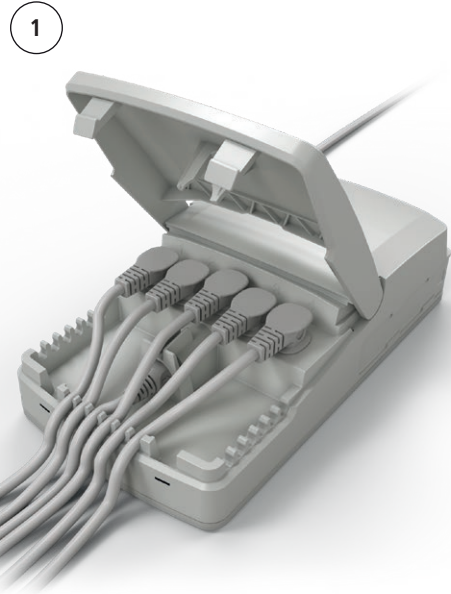
CA63 has a uniquely designed cable lid. The lid also works as an integrated cable lock when closed.

- 1) Mount cable plugs in control box
- 2) Close lid until lock snaps into place (see arrows)

To allow free access to the cables, the lid has a rest position when completely opened.

It is possible to remove the lid by lifting it a few degrees and pulling it away from the housing under tight mounting conditions.

### Cable management:



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