



Control Box CB6S MK2 Data sheet

CB6S MK2

The CB6S MK2 is part of the LINAK OpenBus™ product range that provides more flexible solutions no matter which actuator concept is preferred.

It is a powerful control box with Switch Mode Power Supply (SMPS) which is typically used for applications like hospital beds, couches/tables for treatment and examination and other medical applications. The universal SMPS makes the control box adaptable to the worldwide market irrespective of the input voltage.

The CB6S MK2 comes with a built-in main power varistor that protects the control box in case of overvoltage which makes it an ideal choice for countries with voltage spikes, such as Brazil, India and Mexico.

Easy troubleshooting and the possibility for read-out of lifetime actuator information and battery state on a laptop via Service Data Tool (SDT).

With the CB6S MK2 you get more benefits such as:

- Universal SMPS covering from 100-240 VAC
- 200 W powerful SMPS with full software power management
- Exchangeable mains cables for worldwide compatibility
- Easy documentation of service visits with Service Data Tool (SDT)
- SMPS saves weight
- Varistor
- Easy software configuration in SoftCon2



Features and Options:

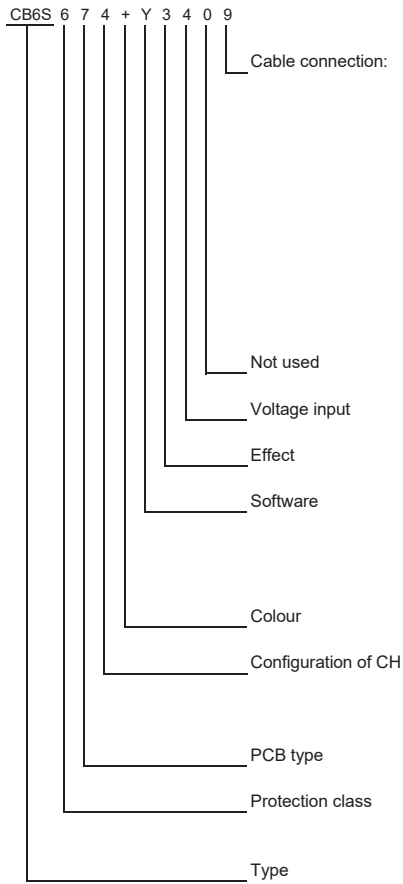
- Power supply: SMPS Universal: 200 W, 100-240 VAC 50/60 Hz
- Standby current consumption, SMPS: Approx. 0.8 W (230 V)
- Channels: 4
- Varistor: For input voltage protection
- Colour: Light grey (RAL7035)
- Weight: 700 g
- Battery charger: Yes
- Charging indicator: Supported
- Battery alarm: Yes, at medium battery level (19.6 V)
- EOP: Implemented in standard software
- Housing type: V-0
- IP rating: IPX6
- Operation: Real parallel (feedback possible)
- Max. current, total 10 A (EOP supported)
- μ -processor: 128 kB (supports more complex software, for instance true parallel operation, feedback is possible)
- Accessories: OpenBus™ accessories
- Management: With full software power management
- Speed control: Possible with special SW (common for all channels)

- Start/stop: Soft start/direct stop
- Light background: Background light in hand controls supported (Vpermanent)
- Control concept: Relays (fully software-controlled EAS protection)
- Service monitor: Yes, supported
- External battery connection (BA18): Capacity: 1.3 Ah, must be ordered separately.

Usage:

- Operating temperature: +5 °C to +40 °C
- Storage temperature: -10 °C to +50 °C
- Relative humidity: 20% to 80% - non-condensing
- Atmospheric pressure: 700 to 1060 hPa
- Meters above sea level: Max. 3000 meters
- Approvals: IEC 60601-1
ANSI/AAMI ES 60601-1
CAN/CSA-C22.2 No. 60601-1, Australian,
Canadian deviation

Ordering example:



Mains cable 2P:		Mains cable 3P with earth:	
0	Straight cable EU	A	Straight cable EU
1	Coiled cable EU	B	Coiled cable EU
2		C	
3	Straight cable UK	D	Straight cable UK
4	Straight cable JAPAN	E	
5	Straight cable UL	F	Straight cable UL
6		G	Straight cable CH
7	Straight cable AUS	H	Straight cable AUS
8		I	
9	Without cable	J	Without cable See note 1
		K	Coiled cable DK

4 => 100 to 240 V 50/60 Hz intern SMPS

3 => SMPS characteristic 200 W

T => Test software for entrance control

Y => Special software package

N => Standard software package with same functionas Z-SW for OBF

M => Standard software package with same function as L-SW for OBMe

+ => Plastics RAL 7035 (light grey)

4 => CH 1->4

3 => CH 1, 2, 3

2 => CH 1, 2

7 => MK2 (OBMe) with external battery backup/internal SMPS

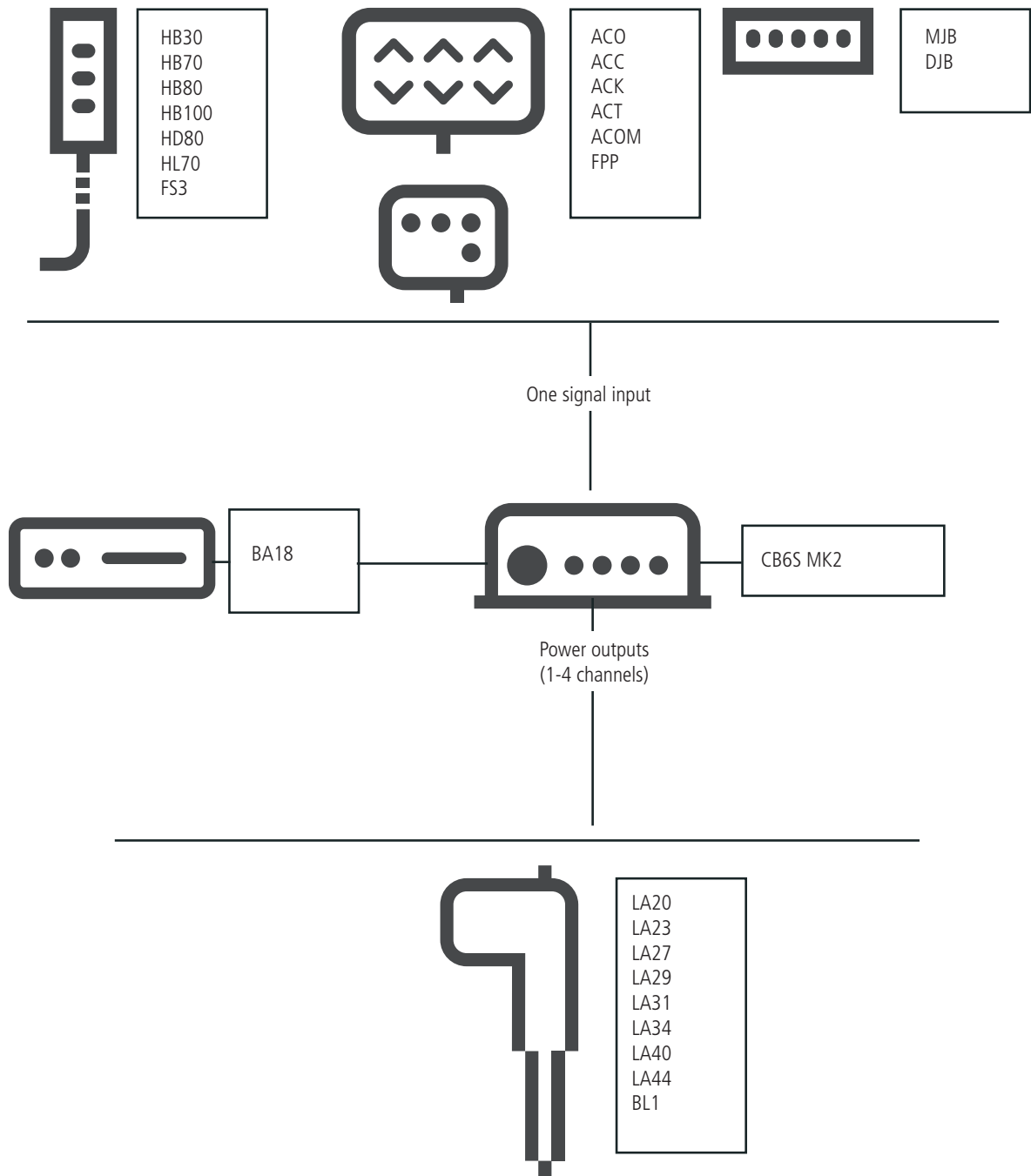
6 => IPx6

Control box CB6S MK2

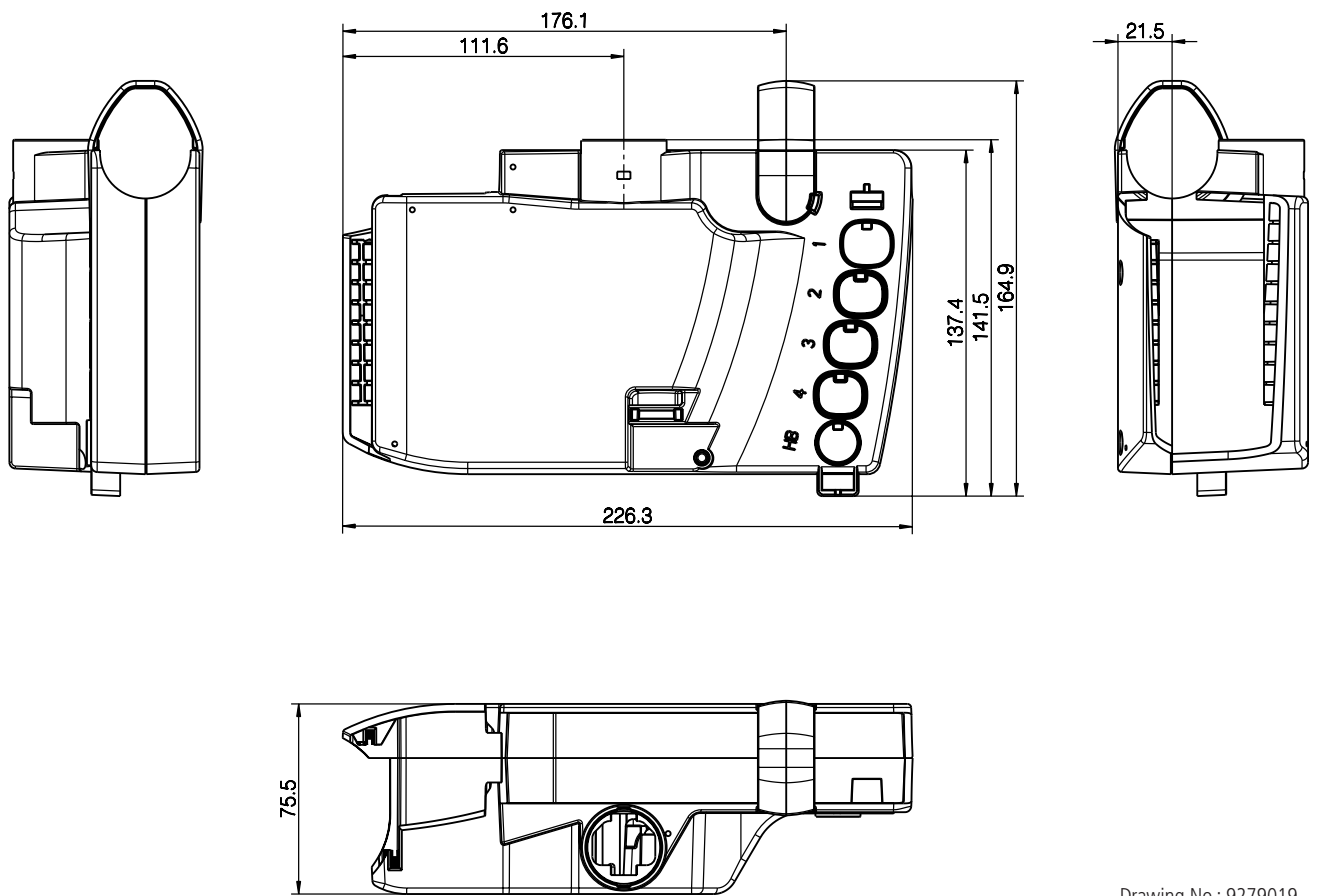
Notes

*1 Class 1 (Earth connection outside the control box and 3-wire mains cable with pig-tail needed)

CB6S MK2 System Overview:



Dimensions:

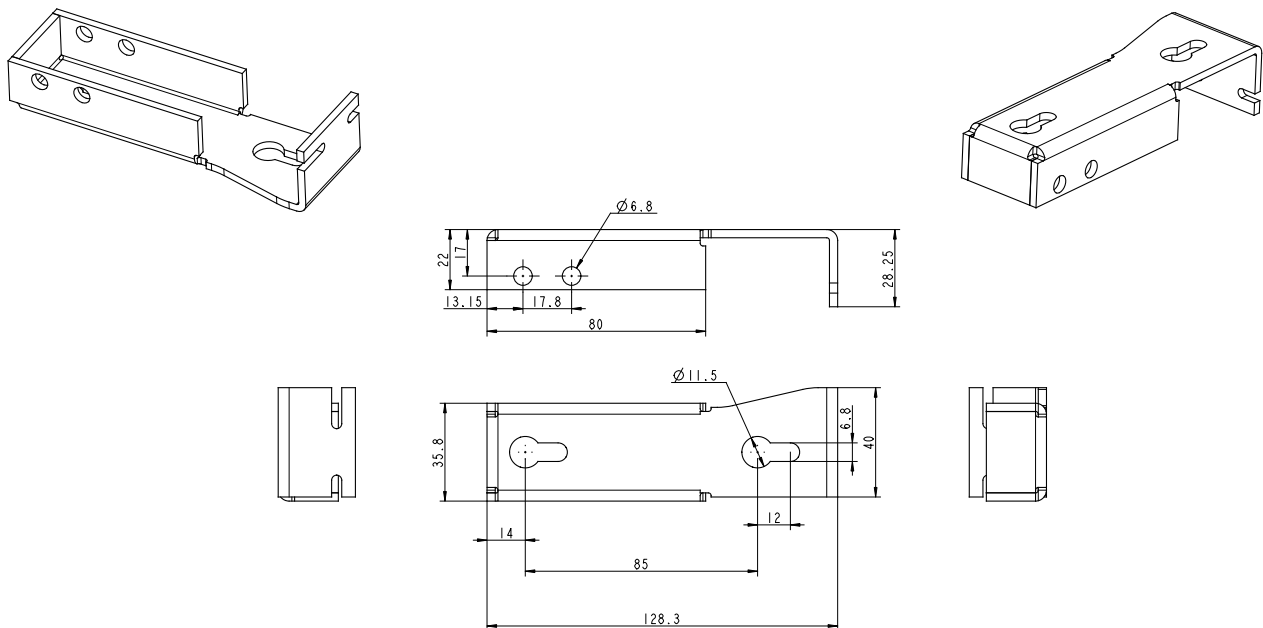


Drawing No.: 9279019

Mounting of CB6S MK2

Article no. 9271233 (galvanised) + 9271237 (iron oil)

Apart from LA27, it is not possible to mount CB6S MK2 onto LINAK actuators. In such case you need a CB6 mounting bracket which can be welded or likewise to the application. This bracket is shown below:



Drawing No.: 9271233

LINAK® accepts no responsibility for possible errors or inaccuracies in catalogues, brochures, and other material. LINAK reserves the right to change its products without prior notice. LINAK cannot guarantee product availability and reserves the right to discontinue the sale of any product. The user is responsible for determining the suitability of LINAK products for a specific application. All sales are subject to the 'Standard Terms of Sale and Delivery', available on LINAK websites.

LINAK and the LINAK logotype are registered trademarks of LINAK A/S. All rights reserved.