

CBD6S

Data Sheet





The Control Box CBD6S is the ideal solution for a wide range of lifting applications, such as office desks, technical and industrial workstations, consoles, and media stands.

Compatible with all DESKLINE products, it guarantees smooth operation and soft start/stop. The intuitive auto-detection of the type and number of DL/DB simplifies the construction of the application. Just Plug & Play™.

The CBD6S is available as:

- a 2-channel version (200 W)
- a 2, 3, or 4-channel version with 300 W for a higher capacity
- a 300 W CBD6S comes in a version compliant with IT standard EN 62368

The 300 W variants are universal control boxes needing only the appropriate mains cable for global use.

The intelligent control box offers a compact and minimal-space design with a height of just 38 mm and a width that perfectly fits the DESKLIFT™ motor-housing columns.

Intuitively designed, the CBD6S features cable grooves for easy cable management. Furthermore, the white plugs for connection of the legs in each end enable quick under-desk identification.

The CBD6S system can be built up as a single-column system; a parallel system with 2, 3 or 4 columns; or a multi-parallel system with up to 16 columns.

The control box is compatible with all DESKLINE desk panels/controls and anti-collision solutions.

The CBD6S has an extremely low power consumption (only 0.1 W) in standby mode and is PVC-Free™.

Features/Options/Compatibility/Usage

Features

CBD6S 200 W

- Connection of 1 or 2 DESKLINE actuators/columns
- Mains voltage 230 V AC, 50 Hz, or 120 V AC, 60 Hz
- Ultra-compact; length only 210 mm
- Lightweight control box; weight only approx. 400 g

CBD6S 300 W

- Connection of 1, 2, 3 or 4 DESKLINE actuators/columns
- Mains voltage 100-240 V AC, 50-60 Hz (universal)
- Ultra-compact; length only 265 mm
- Lightweight control box; weight only approx. 500 g

Common

- Ultra-low; height only 38 mm
 - Compact high-power SMPS (Switch Mode Power Supply)
 - Colour: black
 - Protection against overload (EOP) by individual current limitation
 - Designed with a soft start/stop function
 - Auto-detection of the number and type of DL/DB connected
- Possible combinations:

CBD6S version	No. of channels	Single*	2 parallel	3 parallel	4 parallel
200 W	2	X	X		
300 W	2-4	X	X	X	X

* Single means that you plug in only one DL/DB in channel 1.

- Cable grooves at the bottom to optimise cable management
 - White plugs for easy recognition when mounting/dismounting
 - PVC-Free™
 - Low standby power consumption – only 0.1 W
 - Can charge the battery box BA001
 - Exchangeable standard mains cable
 - Software for multi-parallel setup
- All CBD6S used in a multi-parallel system must have the same software version.

Options

- Anti-Collision™. A system with Anti-Collision can limit the material damage to a desk if a collision with a solid object should occur (only applicable to systems with 3-stage columns, except LC1).
- All CBD6S 200 W can charge the battery box BA001.
- All CBD6S 300 W delivered from factory with SW version 1.57 and later can charge the battery box BA001.
- Desk Sensor™ 1 (CBD6S with SW version 1.63 and later)
- CBD6S with SW version 1.37 and later is as standard equipped with multi-parallel software (only CBD6S with SW version 1.46 or later works in multi-parallel systems with DPG).
All CBD6S used in a multi-parallel system must have the same software version.

Compatibility

Compatible columns/actuators

The CBD6S is compatible with all DESKLINE columns and built-in actuators.

Compatible accessories

Accessory	CBD6S SW 03002000	CBD6S SW 03002024
Safety Limit Switch CBDSLS	Ver. 1.37 and later	All version
Battery Box BA001	Ver. 1.63 and later	All version
Desk Sensor™ 1 (DS1)	Ver. 1.63 and later	All version
Desk Sensor™ 2 (DS2)	Ver. 1.63 and later	All version
WiFi2LIN012 module	Ver. 1.63 and later	All version

Compatible desk panels (controls) SW

All DESKLINE desk panels can be connected and used, however the following LINbus desk panels require the stated software versions:

LINbus desk panel	SW	Version
DPF1C	0077025	1.05 or later (Not compatible with CBD6S SW 03002000 versions 1.13, 1.37, 1.47, and 1.49)
	0077025	1.07 or later
	0077083	All versions
	0077098	All versions
	03004005	All versions
DPF4T	0077037	1.05 or later
	0077089	All versions
DPT	0077022	1.07 or later
	0077058	1.03 or later

If one of these LINbus desk panels with older software is connected to the CBD6S, it will not work.

Usage

- Duty cycle max. 10% $\approx$ 2 minutes continuous use at full load, followed by 18 minutes pause



Always observe the duty cycle stated on the column product label as this may be lower.

- For indoor use in dry locations

Parameter	Operation	Storage and transportation
Temperature	10 to 40 °C	-10 to +50 °C
Relative humidity	20% to 80% - non-condensing	20% to 80% - non-condensing
Atmospheric pressure	700 to 1060 hPa	700 to 1060 hPa
Altitude	Max. 2000 m	Max. 2000 m

- Please note the LA23, LA31, DL1A, DL2, LC1, DL61 1200 N without PIEZO™, and BL1 require a special configuration (use the CBD6S configurator)



BL1 in combination with CBD6S:

- is not approved in accordance with EN 60335-1 and UL 962
- cannot lift the specified max. load
- LINAK AIS does not support quality issues

- Compatible with all DESKLINE columns and built-in actuators
- Approvals and regional usage

Version	Power supply	Approvals	Region
300 W	100-240 V AC	EN 60335-1, EN 13849-1, EN 62368 *, UL 962, PSE	Worldwide
200 W	230 V AC	EN 60335-1, EN 13849-1	Europe and Australia
200 W	120 V AC	UL 962	The US
200 W	100 V AC	PSE	Japan

*: Only with 2 and 4-channel versions

Ordering

	CBD6	
TECHNOLOGY	S	S = Switch Mode Power Supply
FUNCTIONALITY	P	P = 2 channels C = 3 channels H = 4 channels
SEGMENT	0	0 = DESKLINE
OPTION	0	0 = Standard
APPROVALS	0	0 = Standard furniture approvals 1 = IT standard (EN 62368) **
CHANNELS	2	2 = 2 channels 3 = 3 channels 4 = 4 channels
OPTION	0	0 = Standard
OPTION	A	A = Advanced
COLOUR	-	- = Black
MAINS VOLTAGE	0	0 = 230 V / 50 Hz, 200 W 1 = 120 V / 60 Hz, 200 W 5 = 100 V / 60 Hz, 200 W (Japanese version) 6 = 100-240 V, 50-60 Hz, 300 W (Japanese version) * 7 = 100-240 V, 50-60 Hz, 300 W (universal)
OPTION	0	0 = Standard
CLASS	9	9 = Without cable
CBD6SP00020A-009		

* Only available with CHANNELS option 4

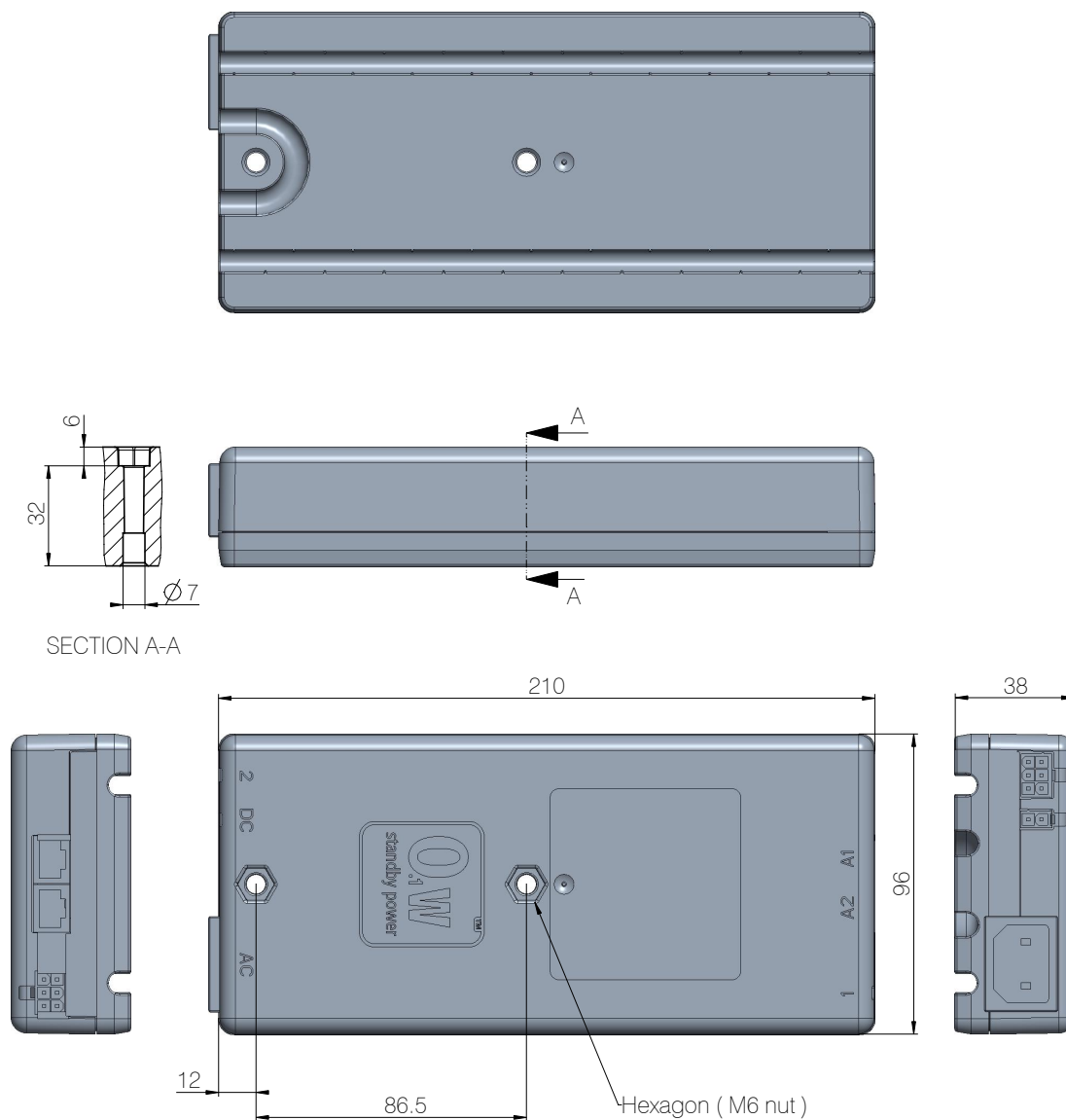
** Only available with MAINS VOLTAGE option 7 and CHANNELS options 2 and 4



All cables for creating a fully connected DESKLINE® system must be ordered separately. We offer a range of different versions and lengths. To get information such as ordering number, and colour and length of the cables, please contact your local LINAK.

Dimension drawings

CBD6S 200 W

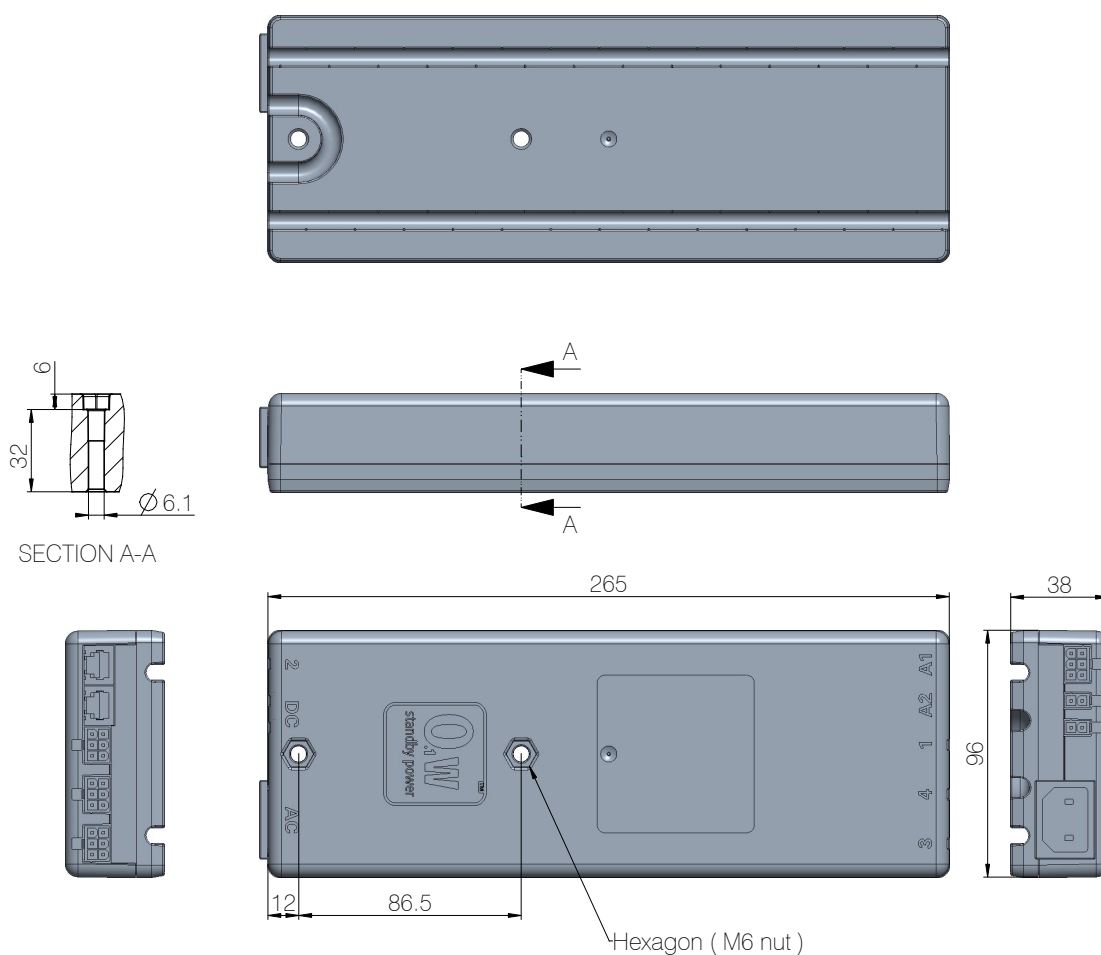


Drawing no. 0759006

A1/A2	Control ports for connection of one or two desk panels or the Anti-Collision™ dongle A1/A2 are parallel ports
AC	Connection to the mains supply
DC	Connection to Battery Box BA001
1 and 2	Sockets for 1 or 2 DL/DB

Figure 1 CBD6S (200 W) dimensions and mounting holes (mm)

CBD6S 300 W



Drawing no. 0759007

A1/A2	Control port for connection of one or two desk panels or the Anti-Collision™ dongle A1/A2 are parallel ports
AC	Connection to the mains supply
DC	Connection to Battery Box BA001
1 to 4	Sockets for 1 to 4 DL/DB

Figure 2 CBD6S (300 W) dimensions and mounting holes (mm)

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