



DC Connector Data sheet

DC Connector

The DC CONNECTOR is a HOMELINE® accessory making it possible to connect a variety of standard articles equipped with a DC plug to your TWINDRIVE® TD3 system or your CBH Advanced system. Based on plug and play principles just connect the DC CONNECTOR and you have extended combination possibilities of adding a DC based unit. – All operated by the handset. A typical DC unit could be a “LED light rail”.

The DC CONNECTOR is a compact unit only taking up limited space. Furthermore, the unit is very easy to mount either by using screws and mount on the bed frame or simply by using the groove on the TD3 and slide it on. A further feature of the unit is that if you need more DC ports than the 2 on each box, several boxes can be connected to the system and stacked on each other only taking up a minimum of space.

The output voltage from the 2 DC ports on the box is the same.



Features:

- Colour: dark grey RAL 7016
- Output voltage: 12 (2 - 24 VDC can be configured)
- Max. current supply: 0.5 A
- Small compact size (65 x 63 x 29 mm)

Options:

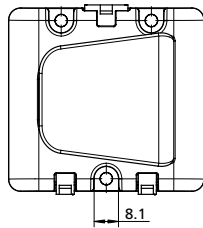
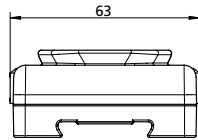
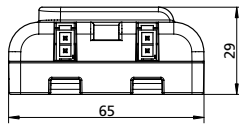
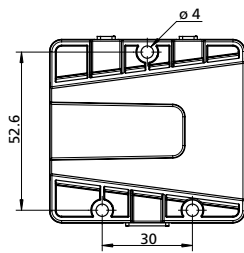
- Exchangeable motor cable, available in several lengths

Usage:

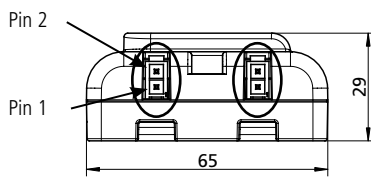
- Compatible with the TWINDRIVE® TD33 or the CBH Advanced
- 2 ways of mounting: either by the use of screws OR via the groove on the TD3
- Can be stacked either with more DC CONNECTORs or with a USB CONNECTOR and a LED LIGHTBOX
- Ambient temperature: +5° C to + 40° C
- Storage and transportation temperature: -10° C to +70° C
- Will be approved according to EN 60335-1 with TD33
- EMC Directive: 2004/108/EC according to following standards:
 - EN 61000-6-1:2007, EN 61000-6-3:2007, EN 300220-1:2006.
- Low Voltage Directive 2006/95/EC according to the standard:
 - EN 60335-1:2002 + A1:2004 + A11:2004 + A12:2006 + A2:2006 + A13:2008

Dimensions DCCONNECTOR001:

HOMELINE® accessories can be stacked on each other simplifying mounting



DC plug type:



Recommendations from LINAK:

The recommended plug type for the connected DC unit is:

Article number: 0039012020 from the company MOLEX

Type: 4.20 mm (.165") Pitch Mini-Fit Jr.™ Receptacle Housing, Dual Row, UL 94V-2, 2 Circuits.

Choice of receptacle/pins depends on the cable sectional area (mm²). The receptacle/pins must fit with the plug 0039012020.

Connection:

In the DC CONNECTOR following pin connections are chosen:

Pin 1 = Vcc (+)

Pin 2 = GND (-)

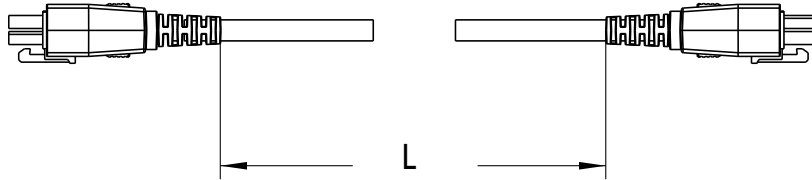
Ordering numbers:

DC CONNECTOR:

- DCCONNECTOR001

Must be ordered in a multiplum of 68 pieces.

Motor cables (must be ordered separately):

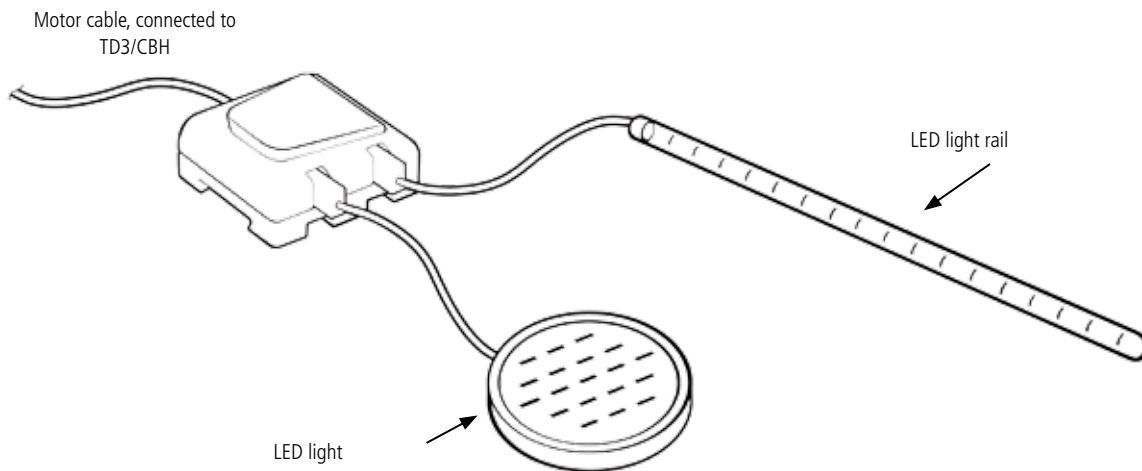


- 0617101 = L = 200 mm, black motor cables
- 0617100 = L = 1000 mm, black motor cables
- 0617200 = L = 2000 mm, black motor cables
- 0617250 = L = 2500 mm, black motor cables

Combination ideas:

The DC CONNECTOR could for example be combined with:

- A LED light rail or a LED lamp. The type of light is ideal for under bed light mounted underneath the bed frame



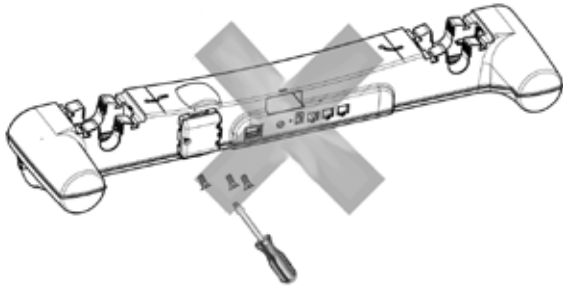
System operation:

As standard the TD3/CBH Advanced is set up to work with the LED LIGHTBOX001, meaning that when you connect the DC CONNECTOR001 and the chosen DC unit, the system must be configured to work with the standard handset.

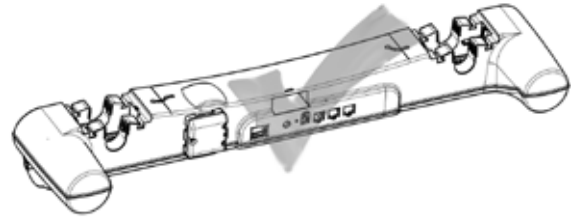
Mounting instructions:

Either slide the DCONNECTOR001 on the groove on the TD3 or mount the unit on the bed frame using 3 wood screws with a maximum head diameter of 8 mm. Max. Torque 1 Nm.

The wrong way of mounting!



The correct way of mounting



All cables must be fixed to the bed to avoid disconnection when cleaning under the bed.

To operate the DCONNECTOR with a standard handset the TD3 needs to be configured.

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