

C1

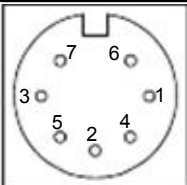
Motor socket on box

- 1: Hallsensor A
- 2: +5V
- 3:
- 4: Motor +
- 5: Hallsensor B
- 6:
- 7: Ground
- 8: Motor -

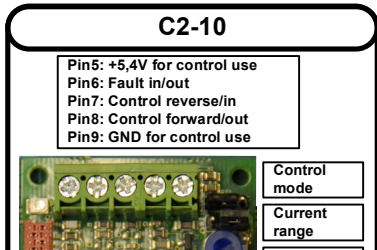


Note: numbers are NOT Molex standard

Handset socket on box



- 1: RxD
- 2: HS3
- 3: HS1
- 4: HS4
- 5: HS2
- 6: TxD
- 7: +5V
- Shell: Ground



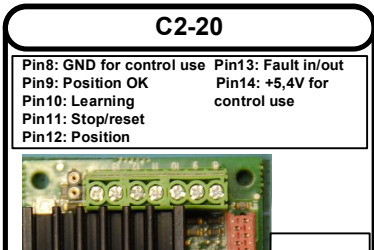
C2-10

- Pin5: +5,4V for control use
- Pin6: Fault in/out
- Pin7: Control reverse/in
- Pin8: Control forward/out
- Pin9: GND for control use

- Control mode
- Current range
- Start ramp
- Stop ramp
- Current limit

Pin1:GND
Pin2: supply +

- Molex Sockets:
- Pin1: Actuator -
 - Pin2: Common GND
 - Pin3: Control rev/in
 - Pin4: Actuator +
 - Pin5: Fault in/out
 - Pin6: Control Fwd/out



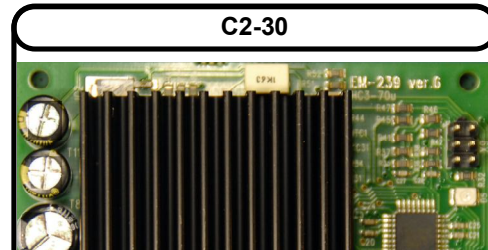
C2-20

- Pin8: GND for control use
- Pin9: Position OK
- Pin10: Learning
- Pin11: Stop/reset
- Pin12: Position
- Pin13: Fault in/out
- Pin14: +5,4V for control use

DIP-SW 1:
Position voltage range
On:0-10,8V
Off:0-5,4V

Pin4: GND
Pin7: Supply +

- Pin1: Hall supply
- Pin2: Hall input A
- Pin3: Hall input B
- Pin5: Actuator -
- Pin6: Actuator +



C2-30

- Pin 1: Supply GND
- Pin 2: Supply +
- Pin 9: Control Fwd/out
- Pin 10: Control Rew/in
- Pin 13: Stop input
- Pin 15: Fault Active low
- Pin 16: Calibration

The colored dots refer to the standard cable colors



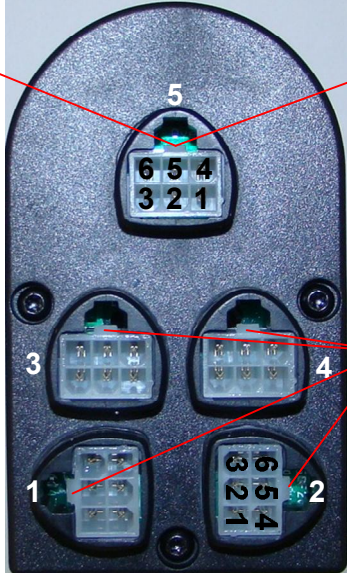
C3CON0W

- Pin1: Actuator -
- Pin2: Control common
- Pin3:Control rev/in
- Pin4: Actuator +
- Pin5:
- Pin6: Control forward/out



C4

- 1: Battery (+)
- 2: +5VDC
- 3: Button signal
- 4: Ext. Power supply + / Emergency (+) ①
- 5: Ext. Power supply GND
- 6: Ground



Connector 5 is combined for handset, external power supply, external emergency switch and programming port

note ①:
only functioning if C4 controller is ordered with the option "External Emergency Switch"

- 1: Actuator -
- 2: Hall +5VDC
- 3: Hall A
- 4: Actuator +
- 5: Hall GND
- 6: Hall B

For further information or tutorials:



Watch Us On
YouTube



Concens actuator standard and HE cable con35 – con50 – con60

Hall A output	Hall B output	+ 5-24VDC supply for Hall	GND for Hall	Actuator +	Actuator -
Previous and discontinued cable colors (for comparison)					

For color combinations different from above, please contact Concens support

Molex Minifit Pin Configuration

- Pin 1: Actuator - black
- Pin 2: Hall supply brown
- Pin 3: Hall output ch A yellow
- Pin 4: Actuator + red
- Pin 5: Hall GND blue
- Pin 6: Hall output ch B green

Looking at the connector from opposite side of cable

concens

TITEL:
Connectors/cables/colours

REVISION:
Ver1.7 January 2018 BBN