

Control unit




BCU




Benefits

- Compact 3-channel actuator control unit
- Single fault safety
- Overload and over-temperature protection
- Approved for medical applications
- Easy to clean
- Low standby current

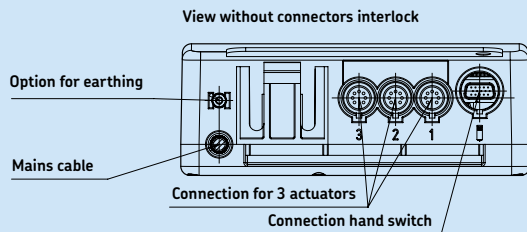


Suitable control units and accessories

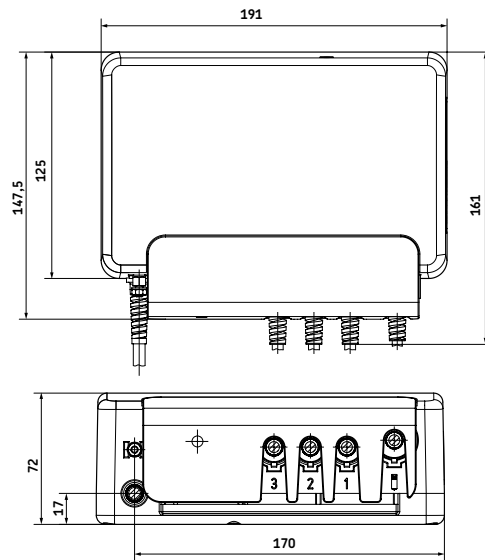
	Linear actuators						Pillars											
	CALA 36A (24 V DC)	CARE 33A	Magdrive MD22, MD23	RU20, RU21, RU22	MAX 10, MAX 30	ECOMAG	THG 10	TLG 10	TLT 10	TFG 10	CPMT1	TXG 10	EHA 3	STJ	STE			
BCU 5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
BCU 8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			

 Hand switch
 Foot switch
 Desk switch

Connecting diagram



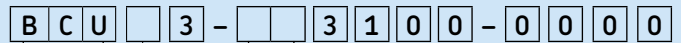
Dimensional drawing



Technical data

	Unit	BCU 5	BCU 8
Motor ports (DIN8)	#	3	3
Operating device ports (HD15)	#	1	1
Battery ports	#	0	0
Limit switch ports	#	0	0
Single fault safety	yes/no	yes	yes
Encoder processing	yes/no	no	no
Input voltage	V AC	120	230
Frequency	Hz	60	50
Input current (max)	A	2,5	1,3
Standby power	W	1,2	1,5
Output voltage	V DC	24	24
Output current (max)	A	7	7
Duty cycle: intermittent	min.	1 min./9 min.	1 min./9 min.
Duty cycle: short time	min.	2	2
Ambient temperature	°C	0 to +40	0 to +40
Humidity	%	5 to 85	5 to 85
Type of protection	IP	x4	x4
Approvals	EN/UL	EN 60601-1 UL 60601-1	EN 60601-1 UL 60601-1
Weight	kg	2,3	2,3

Ordering key



Type

BCU control unit

Voltage:

120 V AC, 60 Hz, class I
230 V AC, 50 Hz, class II

5
8

Mains power supply cable:

Class II, straight 3,5 m, 2-pole plug, EU (for voltage type 8)
Class II, straight 3,5 m, 2-pole plug, UK (for voltage type 8)
Class I, straight 3,5 m, 3-pole plug, UL (for voltage type 5)

2J
2H
2L

EACH BCU NEEDS A BCP



Type

BCU parameterization

Functionality:

All channels individually
Channel 2+1
All channels simultaneously
Trendelenburg

11
21
30
T1

Motors:

A CALA 36A (24V DC), ECO2, ECO3, ECO4, ECO5
C CARE 33A, TLT10¹⁾, TXG10 (EXG)
E TFG, ECO6, ECO8, ECO9
M MAX10, MAX30, THG10, TLG10
R RU20, RU21, RU22
D MD22, MD23
S CPMT1-1²⁾
T CPMT1-2²⁾

3,7 A
4,7 A
5,7 A
6,7 A
8,5 A
8,5 A
8,5 A
8,5 A

Actuator 1 -
Actuator 2 -
Actuator 3 -

Soft start/stop:

Hard
Medium
Soft (on request)

0
3
6

¹⁾ TLT is a 2-motor actuator. If simultaneous run is needed, BCP21-CC... is recommended.
²⁾ Reduced lift capability : CPMT1-1 up to 3000N, CPMT1-2 up to 4000N

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