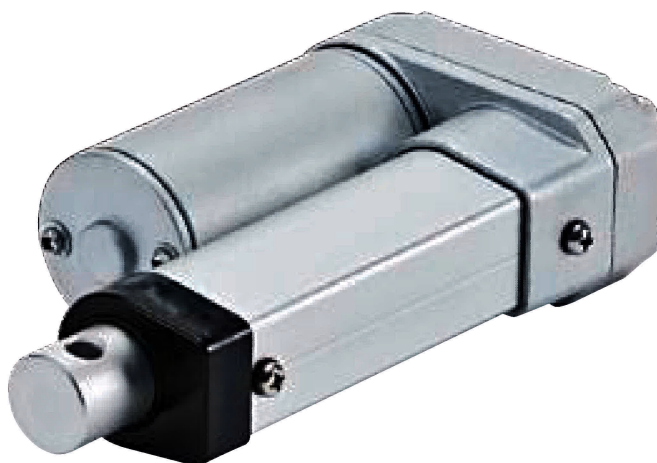


Linear actuator

CAHB-10 series

Benefits

- ACME screw drive
- Extension tube (aluminium)
- Protection tube (aluminium)
- Zinc alloy gear housing
- Powder metal gears
- Self-locking



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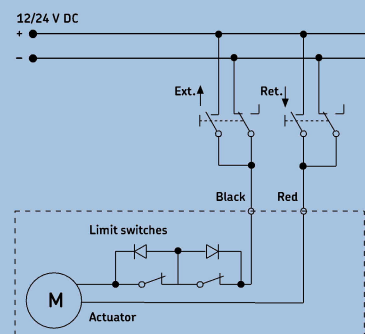
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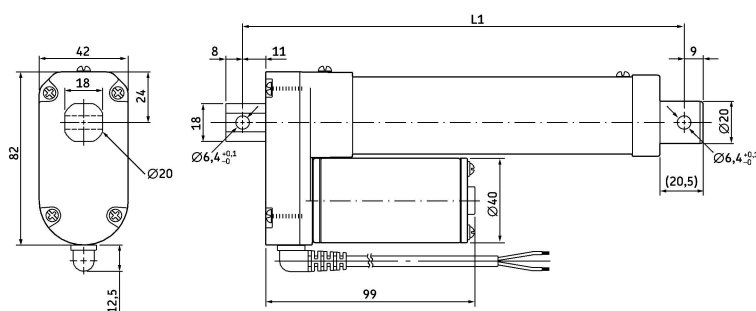
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Connecting diagram



Dimensional drawing

Basic configuration



Legend:
L1 = retracted length

Stroke (mm)*	50	100	150	200	250	300
Retracted length (L1)	158	209	260	311	362	413

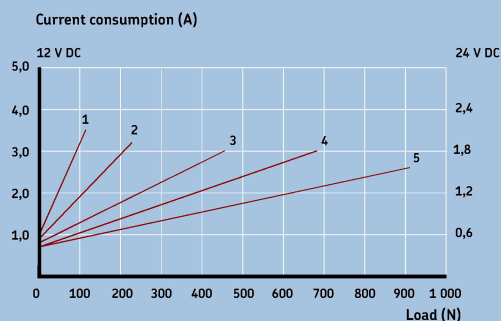
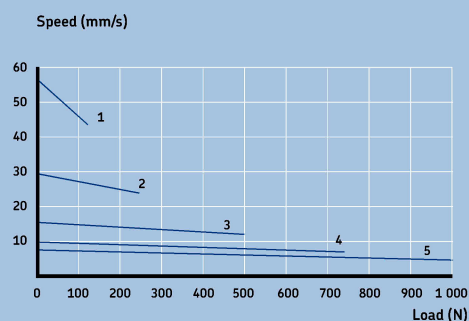
* Tolerance: S and L1: $\pm 2,0$ mm

Technical data

	Unit	CAHB-10... 1	CAHB-10... 2	CAHB-10... 3	CAHB-10... 4	CAHB-10... 5
Push load	N	120	240	500	750	1 000
Pull load	N	120	240	500	750	1 000
Speed (full load to no load)	mm/s	45 to 56	24 to 30	13 to 16	8 to 10	6 to 8
Stroke	mm	50 to 300	50 to 300	50 to 300	50 to 300	50 to 300
Retracted length	mm	—*	—*	—*	—*	—*
Voltage	V DC	12 or 24	12 or 24	12 or 24	12 or 24	12 or 24
Power consumption	W	N/A	N/A	N/A	N/A	N/A
Current consumption 12 V DC	A	3,5	3,2	3,0	2,8	2,6
Current consumption 24 V DC	A	2,2	2,0	1,8	1,8	1,6
Duty cycle	%	25	25	25	25	25
Ambient temperature	°C	–40 to +85	–40 to +85	–40 to +85	–40 to +85	–40 to +85
Type of protection	IP	66	66	66	66	66
Weight (at 300 mm stroke)	kg	1,5	1,5	1,5	1,5	1,5
Color	—	Silver	Silver	Silver	Silver	Silver

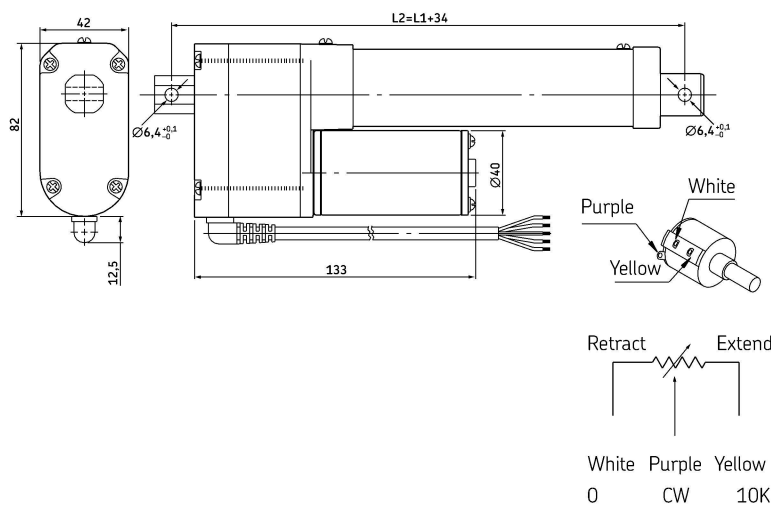
* see above table

Performance diagrams



Dimensional drawing

Optional potentiometer



Stroke (mm)*	50	100	150	200	250	300
Retracted length (L2)	192	243	294	345	396	447

* Tolerance: S and L2: $\pm 2,0$ mm

Potentiometer resolution

Stroke (mm)	50	100	150	200	250	300
Ohm/mm	94,4	47,2	47,2	15,72	15,72	15,72

Ordering key

C A H B - 1 0 - [] [] A - [] [] [] [] - A [] [] [] [] 0 - 0 0 0

Type

Voltage:

12 V DC
24 V DC

A
B

Load:

120 N
240 N
500 N
750 N
1 000 N

1
2
3
4
5

Screw:

ACME screw

A

Stroke:

50 mm
100 mm
150 mm
200 mm
250 mm
300 mm

050
100
150
200
250
300

Retracted length:

Stroke

50 mm
100 mm
150 mm
200 mm
250 mm
300 mm

w/o POT*

158 mm
209 mm
260 mm
311 mm
362 mm
413 mm

with POT*

192 mm
243 mm
294 mm
345 mm
396 mm
447 mm

IP:

Standard (IP 66)

A

Front attachment:

Standard (hole: Ø= 6,4 mm)
Customized

A
X

Rear attachment:

Standard (hole: Ø= 6,4 mm)
Customized

A
X

Option 1:

None
Potentiometer

0
P

Option 2:

None
Thermal protection

0
T

* POT= Potentiometer

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