

HOMELINE
IMPROVING COMFORT

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CARELINE
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Actuator LA28 Data sheet

LINAK.COM/HOMEHLINE
LINAK.COM/TECHLINE
LINAK.COM/MEDLINE-CARELINE

LINAK® 
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LA28

LA28 is primarily a system actuator. The actuator is very quiet and powerful, designed for use in the CARELINE®, MEDLINE® and TECHLINE® areas of business.



Features and options:

- Thrust up to 3500 N in push (with S-motor)
- Protection class IP51
- Storage temperature -40°C to 70°C
- Available with extra powerful motor (strong motor), increases speed and strength
- Brake - increases self-locking ability for LA28 actuators with 6 or 9 mm pitch
- Protection class: IPX5 or IPX6
- Reed-switch (LA28 = 8 pulses/spindle rev. and LA28 with strong motor = 6 pulses/spindle rev.)
- Splines function (the actuator can only push)
- Mounting bracket for CB8-T/A control boxes (order number 914078 (grey) and 914054 (black))
- Safety nut for LA28 with 3, 6 or 9 mm pitch
- Built-in CS print ensures electronic overload protection

Usage:

- Duty cycle: Max 10 % or 2 min. continuous use followed by 18 min. not in use
- Ambient temperatures: +5° to +40°C
- Compatibility: Compatible with LINAK control boxes. Please contact LINAK.
- Approvals: IEC 60601-1, ANSI/AAMI ES60601-1 and CAN/CSA-22.2 No 60601-1

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Technical specifications:

LA28 with standard motor

Order number	Push Max. (N)	Pull Max. (N)	*Self-lock max. (N) Push	*Self-lock max. (N) Pull	Pitch (mm/spindle rev.)	Typical speed (mm/s) Load		Standard stroke lengths (mm) In steps of 50 mm	Typical amp.	
						no	full		12 V	24 V
286xxx-xxxxx0xx	2500	2000	2000	2000	2	4,2	3,0	100 – 400	-	1,5
285xxx-xxxxx0xx	2000	2000	2000	2000	2,5	5,3	4,0	100 – 400	-	1,6
281xxx-xxxxx0xx	2000	2000	2000	2000	3	7,0	4,8	100 – 400	-	1,5
284xxx-xxxxx0xx	1500	1500	1500	1500	4	9,5	6,7	100 – 400	-	1,6
284xxx-4xxxx0xx	1500	1500	1500	1500	4	9,5	6,7	100 – 400	-	1,6
282xxx-xxxxx0xx	1000	1000	500	500	6	14,3	9,6	100 – 400	-	1,5
282xxx-4xxxx0xx	1000	1000	1000	1000	6	12,7	9,6	100 – 400	-	1,5
283xxx-xxxxx0xx	800	800	200	200	9	21,1	14,5	100 – 600	-	1,5
283xxx-4xxxx0xx	800	800	800	800	9	20,9	10,7	100 – 600	-	2,4
287xxx-xxxxx0xx	600	600	0	0	12	25,8	17,1	100 – 600	-	1,9
287xxx-4xxxx0xx	600	600	300	300	12	24,8	15,1	100 – 600	-	1,9

LA28 with "S" motor

Order number	Push Max. (N)	Pull Max. (N)	*Self-lock max. (N) Push	*Self-lock max. (N) Pull	Pitch (mm/spindle rev.)	Typical speed (mm/s) Load		Standard stroke lengths (mm) In steps of 50 mm	Typical amp.	
						no	full		12 V	24 V
286xxx-xxxxx1xx	3500	2000	3500	2000	2	6,7	4,7	100 – 400	-	3,9
285xxx-xxxxx1xx	3000	2000	3000	2000	2,5	8,6	6,1	100 – 400	-	3,6
281xxx-xxxxx1xx	2000	2000	2000	2000	3	10,8	8,4	100 – 400	-	2,9
284xxx-xxxxx1xx	2000	2000	1200	1200	4	14,6	10,3	100 – 400	-	3,6
284xxx-4xxxx1xx	2000	2000	2000	2000	4	14,3	10,3	100 – 400	-	3,4
282xxx-xxxxx1xx	2000	2000	500	500	6	22,0	13,8	100 – 400	-	4,1
282xxx-4xxxx1xx	2000	2000	2000	2000	6	22,0	12,7	100 – 400	-	4,6
283xxx-xxxxx1xx	1500	1500	500	500	9	34,2	16,5	100 – 600	-	4,9
283xxx-4xxxx1xx	1500	1500	1500	1500	9	33,0	10,9	100 – 600	-	5,5
287xxx-xxxxx1xx	800	800	0	0	12	46,0	33,5	100 – 600	-	3,1
287xxx-4xxxx1xx	800	800	800	800	12	45,9	33,5	100 – 600	-	3,1

LA28 with 12V motor

Order number	Push Max. (N)	Pull Max. (N)	*Self-lock max. (N) Push	*Self-lock max. (N) Pull	Pitch (mm/spindle rev.)	Typical speed (mm/s) Load		Standard stroke lengths (mm) In steps of 50 mm	Typical amp.	
						No	Full		12 V	24 V
286xxx-xxxxx2xx	3000	2000	2000	2000	2	7,0	3,2	100 – 400	6,9	-
286xxx-4xxxx2xx	3000	2000	3000	2000	2	7,0	3,2	100 – 400	6,9	-
285xxx-xxxxx2xx	3000	2000	2000	2000	2,5	8,6	3,6	100 – 400	6,6	-
285xxx-4xxxx2xx	3000	2000	3000	2000	2,5	8,6	3,6	100 – 400	6,6	-
281xxx-xxxxx2xx	2000	2000	2000	2000	3	10,2	6,2	100 – 400	6,9	-
284xxx-xxxxx2xx	2000	2000	1500	1500	4	13,5	6,8	100 – 400	6,5	-
284xxx-4xxxx2xx	2000	2000	2000	2000	4	13,3	7,5	100 – 400	6,5	-
282xxx-xxxxx2xx	2000	2000	500	500	6	19,9	7,5	100 – 400	7,7	-
282xxx-4xxxx2xx	2000	2000	2000	2000	6	19,8	7,0	100 – 400	8,5	-
283xxx-xxxxx2xx	1500	1500	0	0	9	28,9	11,7	100 – 600	7,9	-
283xxx-4xxxx2xx	1500	1500	1500	1500	9	28,9	11,7	100 – 600	7,9	-
287xxx-xxxxx2xx	800	800	0	0	12	32,0	16,0	100 – 600	5,9	-
287xxx-4xxxx2xx	800	800	800	800	12	32,0	16,0	100 – 600	5,9	-

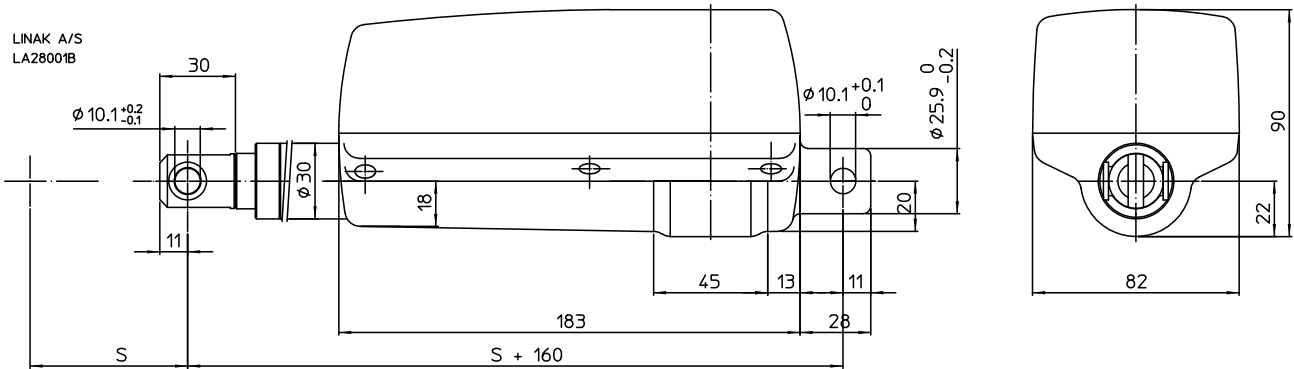
Above data: the measurements are made with the actuators connected to a stable power supply.

A reed-switch has no influence on above mentioned data.

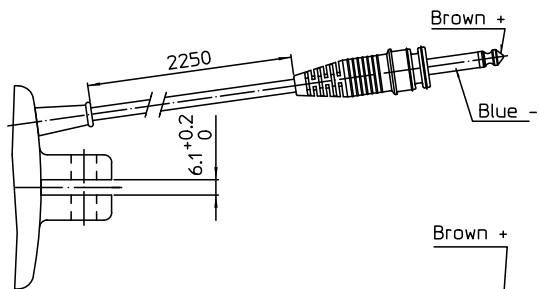
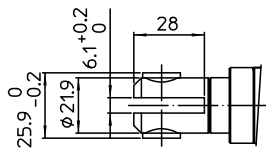
Ordering example:

[illegible]

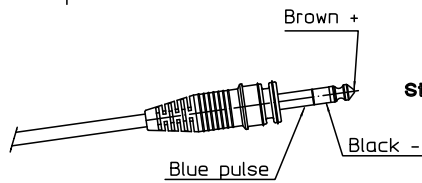
Dimensions:



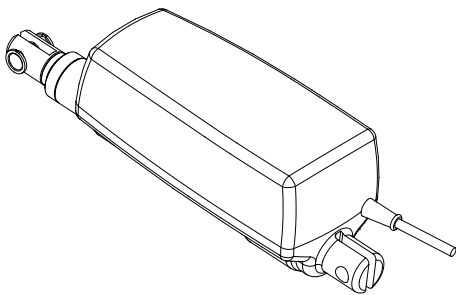
S+160 LA28 (with or without safety nut)
S+171 splines
S+185 safety nut and splines
S+192 brake



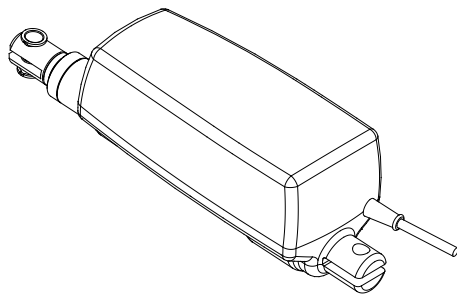
Mono Jack plug



Stereo Jack plug



Back fixture 01



Back fixture 02

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