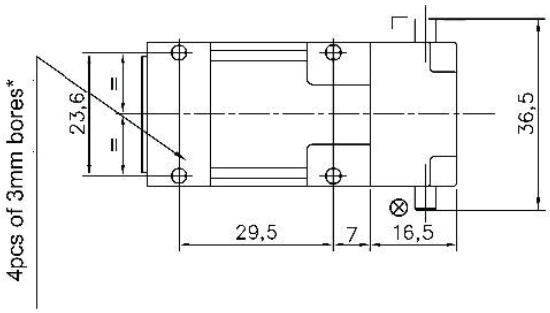
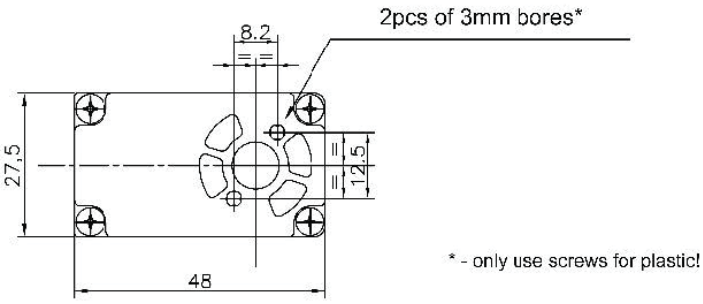
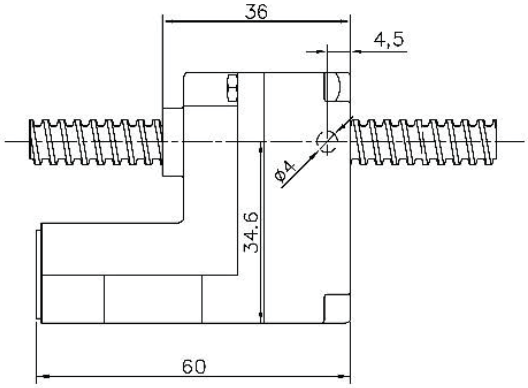
MINILAT TYPE

The actuator with plastic body, MINILAT model, is suitable for simple applications, the extremely compact size (L27,5 x A48 x P60 mm) make it a product suitable for systems where the dimensions appear to be indispensible. Suitable for occasional movements, where the required thrust loads do not exceed 200 N.
The actuator is self-locking with a 3mm lead trapezoidal screw, therefore it can be suitable for squeezing applications, too. When the actuator reach the squeezing position, the motor should be switched off, otherwise it may burn out.

The product is suggested to use periodically! Under continouos movement the product can be damaged!







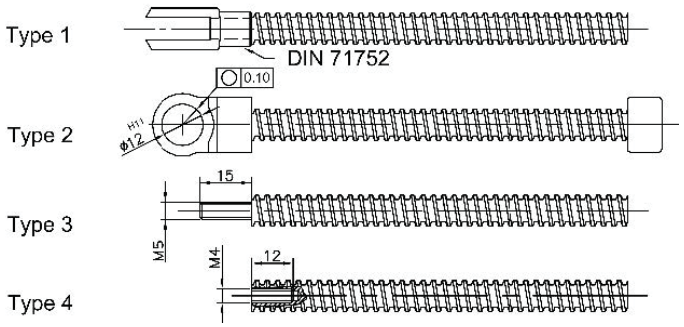
* - only use screws for plastic!

MINILAT linear actuator datas

Code		Type	Voltage	No load speed*		Nominal load**		Max. load		No load current	Nominal current
with 8,7x3mm screw	with 7,9x10mm screw			8,7 x 3mm	7,9 x 10mm	8,7 x 3mm	7,9 x 10mm	8,7 x 3mm	7,9 x 10mm		
Without encoder	Without encoder		(V)	(mm/s)		(N)				(A)	
85.062._ _	106.062._ _	MiniLAT 0,3A 1/12	12	14	42	5	2	10	3	0,1	0,2
85.063._ _	106.063._ _		24	28	84	10	3	20	7	0,1	0,4
85.064._ _	106.064._ _	MiniLAT 0,3A 1/27	12	7	21	10	3	20	7	0,1	0,2
85.065._ _	106.065._ _		24	14	42	20	7	40	13	0,1	0,4
85.066._ _	106.066._ _	MiniLAT 0,3A 1/60	12	3	9	20	7	70	23	0,1	0,2
85.067._ _	106.067._ _		24	6	18	40	13	80	27	0,1	0,4
85.068._ _	106.068._ _	MiniLAT 0,6A 1/12	12	20	60	7	2	15	5	0,2	0,4
85.069._ _	106.069._ _		24	40	120	14	5	30	10	0,2	0,8
85.070._ _	106.070._ _	MiniLAT 0,6A 1/27	12	10	30	15	5	30	10	0,2	0,4
85.071._ _	106.071._ _		24	20	60	30	10	60	20	0,2	0,8
85.072._ _	106.072._ _	MiniLAT 0,6A 1/60	12	5	15	30	10	60	20	0,2	0,4
85.073._ _	106.073._ _		24	10	30	60	20	120	40	0,2	0,8
85.074._ _	106.074._ _	MiniLAT 1,5A 1/12	12	30	90	30	10	50	17	0,3	0,8
85.075._ _	106.075._ _	MiniLAT 1,5A 1/27	12	15	45	50	17	100	33	0,3	0,8
85.076._ _	106.076._ _	MiniLAT 1,5A 1/60	12	7	21	100	33	200	67	0,3	0,8

⚠ The descrition of order code see on the previous page.

* Half of the indicated value should be considered when it is loaded!
** These datas are valid for a maximum screw length of 500 mm.
In any case, is recommended to use guide in order to reduce the screw deflection.



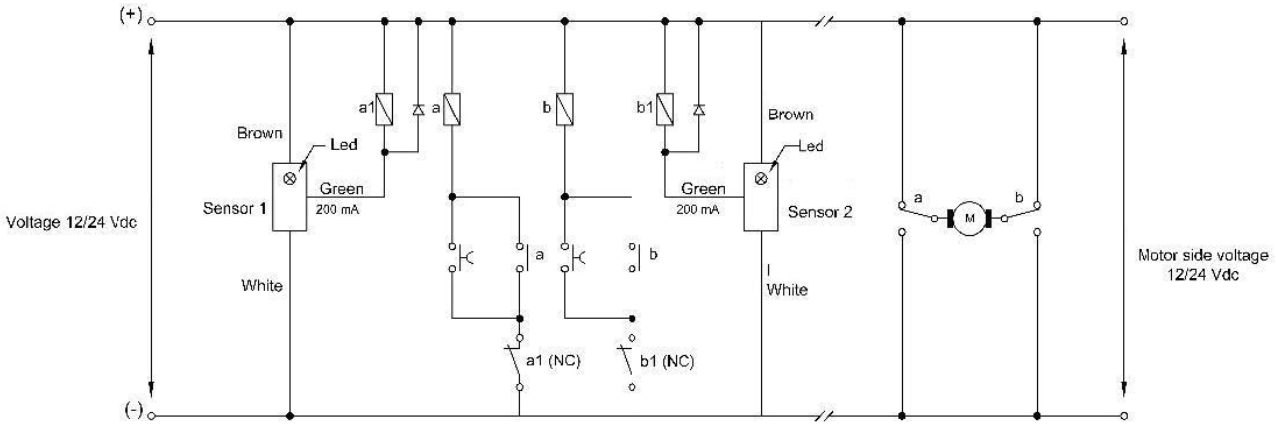
Trapezoidal screw end designs for MINILAT linear actuator

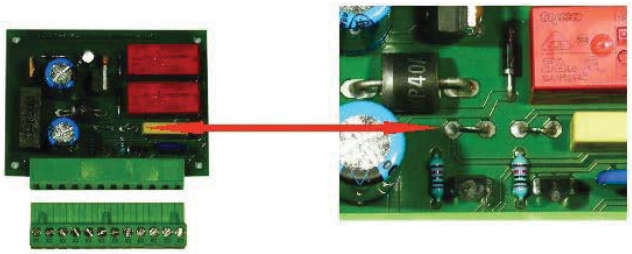
Code	Sign of the type	Diameter of the screw	Pitch of the screw	Max. screw length	Material
		(mm)			
_ _.001	1	8,7	3	1500	Stainless steel AISI 430F
_ _.003		7,9	10		
_ _.004	2	8,7	3		
_ _.006		7,9	10		
_ _.007	3	8,7	3		
_ _.009		7,9	10		
_ _.010	4	8,7	3		
_ _.012		7,9	10		

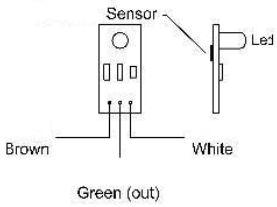
ACCESORIES FOR ACTUATORS

Accesories datas

Code	Type	Note
85.099.003	PTC thermic protection	-
85.099.006	Electronic board	Impulse controll
85.099.007	Magnetic switch	Only for LATT type



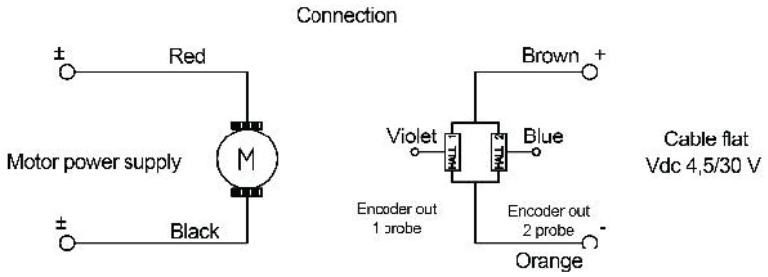




Electronic board design

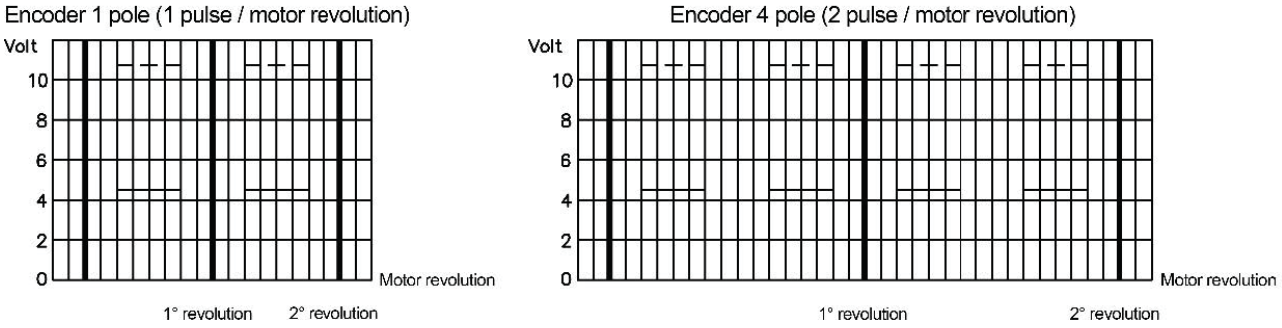
a1-b1: relay with 1 changeover contact -commutation current 2A min. (coil voltage 12/24 Vdc)
a-b: relay with 2 changeover contacts -commutation current 7A min. (coil voltage 12/24 Vdc)

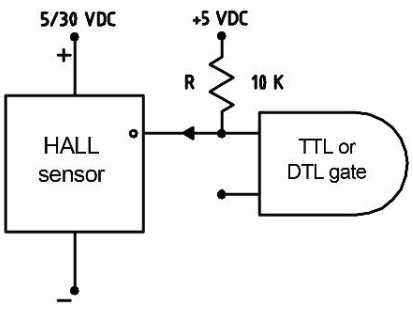
HALL EFFECT ENCODER



Magnetic encoder with hall's probe put inside the gearmotor body. Hall's probe supply voltage: Vdc from 4,5-30V max. With two probes advance sense survey shaft rotation signal with state. Encoder release NPN or PNP (upon request) signal.

Available versions





For see signal encoder is necessary put resistance 10K value in parallel to encoder out/s and positive (brown)
In models from 2016 spring the resistance is included in the encoder.