

Linear actuator Aton 2 for solar tracking systems



Technical data and wiring diagrams

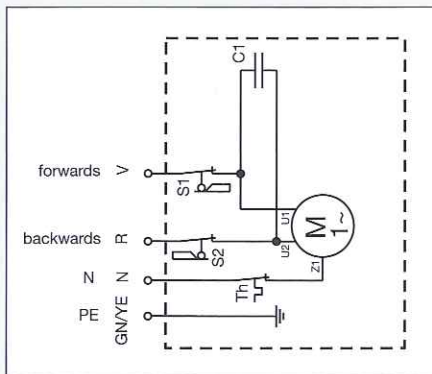
The facts

	Aton 2	
	Version A	Version B
Operating voltage	230 V AC	24 V DC
Dynamic load peak (N)	5,000	5,000
Static load peak (N)	15,000	15,000
Current consumption at 5,000 N	1.3 A	3.3 A
Stroke speed (mm/s)	4.5	2.5
Impulses per stroke mm	17.48	36.44
Rating	8 min.	12 min.
Stroke length (mm)*	500 – 1,000	500 – 1,000
Cable length (m)	1**	1**
Piston rod	torsion lock	
Protection class	IP 65	IP 65
Housing	anodised aluminium	anodised aluminium
Options	encoder / potentiometer	

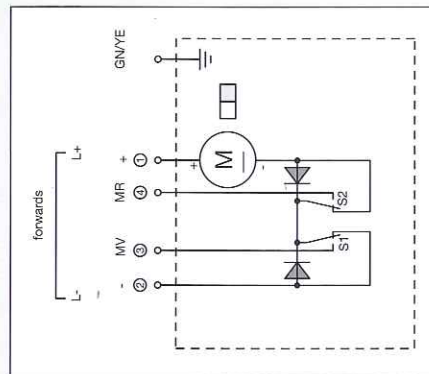
* Stroke lengths available in steps of 100 mm

** Cable length available up to 6 m

Standard wiring diagrams (further circuit variants on request)



Operating voltage 230 V AC (Version A)
Wiring diagram WS 9804



Operating voltage 24 V DC (Version B)
Wiring diagram GS 9408

Th = Thermal protection
S1 = Limit switch
pos. extended
S2 = Limit switch
pos. retracted
C1 = Capacitor (internal)

Attention!
To avoid reverse voltage
from the capacitor, do not
connect motors in parallel!

Linear actuator Aton 2

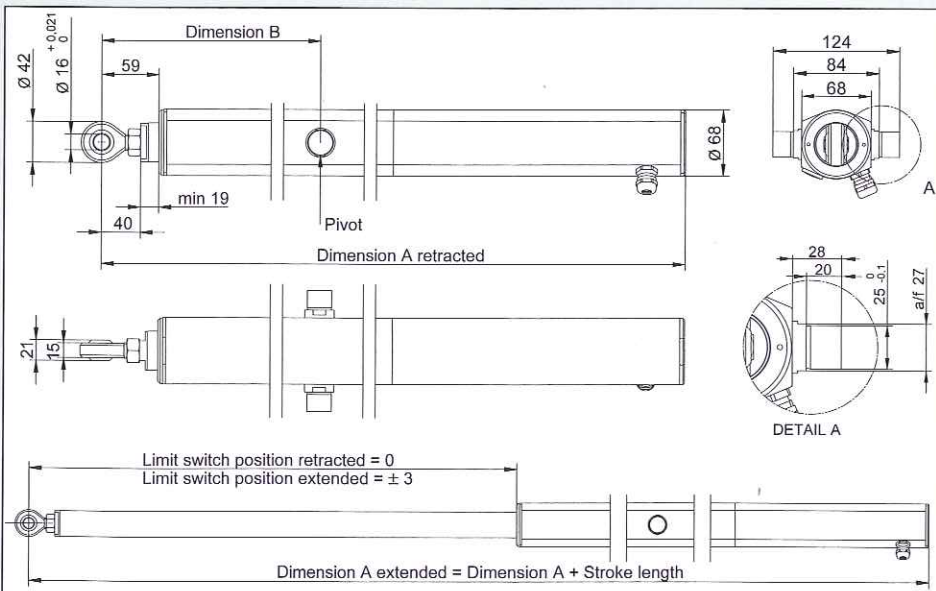


Technical data and dimensions

Dimensional chart – fastening: lug / pivot (24 V DC and 230 V AC)

Nominal size	Stroke length (mm)	Dimension A for AC version retracted or DC with potentiometer	Dimension A for AC version retracted with potentiometer	Dimension A for DC version retracted	Dimension B selectable from – to
1	500	1,285	1,385	1,175	230 – 550
2	600	1,385	1,485	1,275	230 – 650
3	700	1,485	1,585	1,375	230 – 750
4	800	1,585	1,685	1,475	230 – 850
5	900	1,685	1,785	1,575	230 – 950
6	1,000	1,785	1,885	1,675	230 – 1,050

Dimensional drawings – fastening: lug / pivot



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