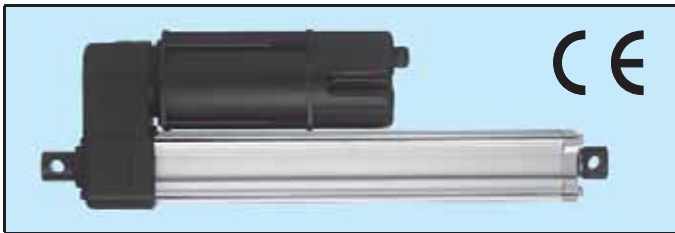


Technical data



Available input voltages [Vac]	1 x 230 or 3 x 400
Input frequency [Hz]	50
Available screw types	Acme or Ball
Max. static load at fully retracted [N]	
Acme screw models	11 350
Ball screw models	18 000
Min. / max. standard stroke [mm]	50 / 600
Duty cycle @ 25° C [%]	25
Max. operation time [s]	45
Temperature limits at operation [°C]	- 25 to + 65
Protection degree	IP45
Max. end play [mm]	1
Restraining torque [Nm]	–
Wire cross section [mm ²]	1,5
Wire length [mm]	600
Connector included	no

Features

- Rugged and robust
- Aluminium cover tube with T-slot
- Position sensors can be fitted to the T-slots
- Trunnion mounting possible
- Anti rotation mechanism
- Withstand 96 hour salt spray test
- Overload clutch (set to 1,2 – 1,5 x max. permissible load)
- Motor with auto reset thermal overload protection
- Acme or ball screw drive
- Holding brake prevents back driving on ball screw models
- Acme screw models are self-locking
- Safety nut on all ball screw models
- Can operate in a large temperature range
- Accepts large input voltage variations
- Maintenance free

Options

- Potentiometer feedback
- Hand wind
- Custom RAL color

Engineering notes

- Capacitor (10 µF) necessary on 230 Vac models

Performance table

Model	Max. dynamic load [N]	Speed @ min. load [mm/s]	Speed @ max. load [mm/s]
AA22-05A65	1100	48	38
AA22-05B65	2250	52	45
AA42-05B65	2250	52	45
AA22-10A65	2250	28	24
AA42-10A65	2250	28	24
AA22-10B65	4500	28	24
AA42-10B65	4500	28	24
AA22-20A65	2250	14	11
AA42-20A65	2250	14	11
AA22-20B65	4500	14	11
AA42-20B65	4500	14	11
AA22-21B65	6800	12	11
AA42-21B65	6800	12	11

Standard strokes

Ordering stroke [cm]	Actual stroke S [mm]
5	50
10	100
15	150
20	200
25	250
30	300
35	350
40	400
45	450
50	500
55	550
60	600

Electrak LA24

Designation example	AA	42	-	20A65	M	30	M3	N	HW
Actuator type LA24	AA								
Supply voltage 1 × 230 Vac, 50 Hz 3 × 400 Vac, 50 Hz		22 42							
Hyphen			-						
Gear ratio / screw type / screw diameter / screw lead 5:1 / acme screw / 15,88 mm / 5,08 mm (not possible with 400 Vac motor) 10:1 / acme screw / 15,88 mm / 5,08 mm 20:1 / acme screw / 15,88 mm / 5,08 mm 5:1 / ball screw / 15,88 mm / 5,08 mm 10:1 / ball screw / 15,88 mm / 5,08 mm 20:1 / ball screw / 15,88 mm / 5,08 mm 20:1 / ball screw / 15,88 mm / 5,08 mm with hardened gear				05A65 10A65 20A65 05B65 10B65 20B65 21B65					
Engineering unit Metric					M				
Stroke 5 cm 10 cm 15 cm 20 cm 25 cm 30 cm 35 cm 40 cm 45 cm 50 cm 55 cm 60 cm						05 10 15 20 25 30 35 40 45 50 55 60			
Adaptor hole position (for definition see page 26) Rear adaptor 0° (standard position) Rear adaptor 30° Rear adaptor 60° Rear adaptor 90° Rear adaptor 120° Rear adaptor 150° Rear and front adaptor 90°							M0 M1 M2 M3 M4 M5 MF		
Anti coast brake No anti coast brake Anti coast brake								N B	
Options No option - leave position blank Feedback potentiometer Hand wind									PO HW