

Linear actuator Picolo XL



*Our flexible
design model
for façades*



Linear actuators Picolo XL



Description · Applications

Picolo XL for the latest demands of architects and façade designers

elero's space-saving linear actuator with innovative design for the adjustment of photovoltaic louvres and large louvres made of glass, aluminium or stainless steel for commercial architecture.

Picolo XL is made of stainless steel

With its weather-resistant exterior and fasteners, Picolo XL is an optimum solution for façade applications.

Picolo XL's aesthetic design

With its particularly slim construction, Picolo XL can easily be integrated into a variety of modern façade styles. The flexible mounting position offers numerous application possibilities, no matter if the piston rod is installed horizontally or facing upwards. So, if you want to have a powerful linear actuator that can be integrated harmoniously into the aesthetics of an ambitious façade design, Picolo XL is exactly what you need!

Picolo XL has a lot more advantages to offer

- Thanks to the weather-resistant construction, the mounting position is flexible
 - Integrated, easily adjustable limit switches
 - Torsion lock piston
 - Easy control
 - Low-noise operation
 - UV resistant cables
- For the 230 V AC model:
- Integrated capacitor
 - Precise positioning by degrees

The linear actuator for louvre adjustments in commercial architecture

The technology

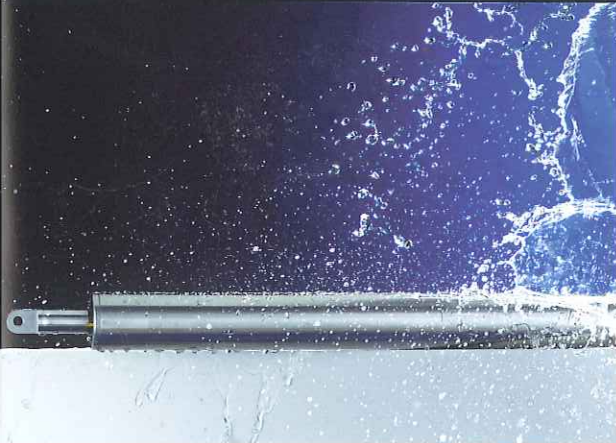
elero's "Picolo XL" linear actuator is an electromechanical push rod drive in which a rotational movement is transformed into a linear movement by gear units and a work gear spindle. The motor, an asynchronous motor, is particularly robust and its speed is constant even if the load differs. Through the slim and cylindrical actuator design, technical and functional aspects as well as optical and aesthetic aspects have been taken into account.



- Protection against solar heat
- Well-lit rooms through controlled daylighting
- Interior glare protection
- Optimum lighting conditions for PC work environments
- Unhindered views to the outside
- Integration of photovoltaic panels to take advantage of solar energy

An indispensable part of any sun protection system is the right actuator system !

Our weather-resistant models with flexible mounting positions



Description · Options

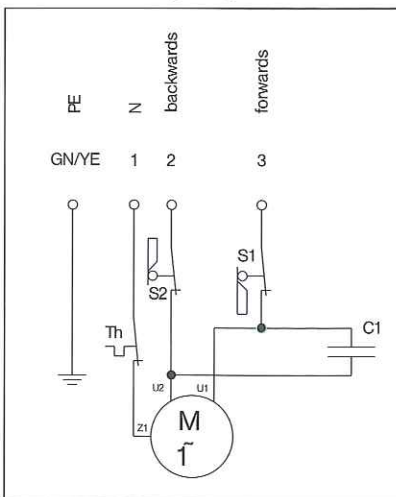
The facts

| | Piccolo XL | Piccolo XL |
|------------------------|------------------------------|---------------|
| Operating voltage | 230V 1AC 50Hz | 24V DC |
| Housing diameter (mm) | 48 | |
| Load (N) | 1,200 | |
| Stroke lengths (mm) | 100, 200, 300, 400, 500, 600 | |
| Stroke speed (mm/s) | 6 | 5 |
| Rating | 5 min | S3 / 15% |
| Temperature range (°C) | -20 to +80 | |
| Cable length (m) | 2 | |
| Housing + fasteners | stainless steel 4301 | |
| Mounting position | flexible | |
| Protection type | IP 65 | |

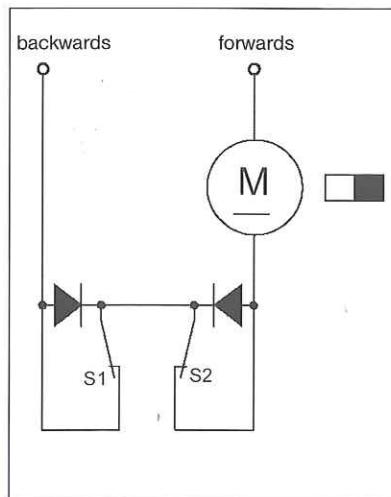
Options

- Fasteners can be adjusted to 90° or 45°
- Clevis end on piston and/or housing end
- Bearing bracket for clevis end
- Pivot attachment
- Connecting cable with plug connectors
- RAL colour coating
- Encoder (available for the 230 V version), from 5 to 24 V DC, 6 impulses/mm

Standard wiring diagrams



WS0800 / 230 V 1AC

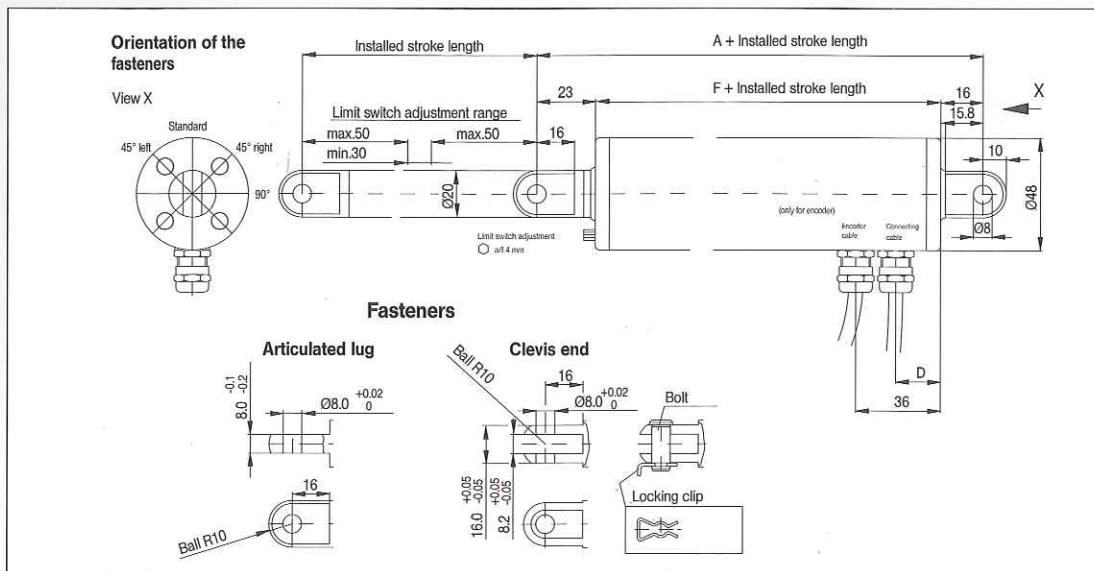


GS0300 / 24V DC

- S1 = Limit switch piston rod out
- S2 = Limit switch piston rod in
- C1 = Capacitor (internal)
- Th = Thermal protection

elero linear actuators

Details



| Installed stroke length | Dim. | 230V 1AC 50Hz | 24V DC |
|-------------------------|------|---------------|--------|
| 100 mm, 200 mm, 300 mm | A | 430 mm | 360 mm |
| | F | 391 mm | 321 mm |
| | D | 19 mm | 31 mm |
| 400 mm, 500 mm, 600 mm | A | 530 mm | 460 mm |
| | F | 491 mm | 421 mm |
| | D | 19 mm | 31 mm |

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