

Electric turning actuators

| Parameters | P30R | P30EXR | P50R | P220R | P500R | P30G |
|--------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Type of actuator | Turning high speed | Turning high speed ATEX | Turning | Turning | Turning | Turning with added gear |
| Torque [Nm] | 5-30 | 5-30 | 5-50 | 10-190 | 10-400 | 400-4500 |
| Min. closing time 90° [s] | 1,0 | 1,0 | 6,0 ¹⁾ | 6,0 ¹⁾ | 6,0 ¹⁾ | - ³⁾ |
| Working range [turns] | 33 (160 ²⁾) | 33 (160 ²⁾) | 33 (160 ²⁾) | 33 (160 ²⁾) | 33 (160 ²⁾) | - ³⁾ |
| Precision [degrees] | ± 0.5 | ± 0.5 | ± 0.1 | ± 0.1 | ± 0.1 | - ³⁾ |
| Sealing | IP68 | IP68 | IP67 | IP67 | IP67 | IP68/65 |
| Surrounding temp. [°C] | -20+60 | -20+60 | -20+60 | -20+60 | -20+60 | -20+60 |
| Installation in all directions | Yes | Yes | Yes | Yes | Yes | Yes |
| ATEX-certified | No | Yes | No | No | No | No/Yes |
| Weight [kg] | 3 | 3 | 5 | 8 | 13 | 9-94 |

| Electrical data | P30R | P30EXR | P50R | P220R | P500R | P30G |
|-------------------------------|-----------|-----------|----------|----------|----------|-----------|
| Type of motor | Brushless | Brushless | Step | Step | Step | Brushless |
| Voltage [VDC] | 24 ± 15% | 24 ± 15% | 24 ± 15% | 24 ± 15% | 24 ± 15% | 24 ± 15% |
| Max. power [W] | 200 | 200 | 70 | 120 | 160 | 200 |
| Average power [W] | 100 | 100 | 35 | 60 | 80 | 100 |
| Max. current [A] | 8 | 8 | 3 | 5 | 7 | 8 |
| Average current [A] | 2 | 2 | 1 | 2 | 3 | 2 |
| Analogue control [mA] | 4-20 | 4-20 | 4-20 | 4-20 | 4-20 | 4-20 |
| Return (position) signal [mA] | 4-20 | 4-20 | 4-20 | 4-20 | 4-20 | 4-20 |

| Material data | |
|-------------------------|-----------------------------|
| Aluminium servo housing | SS 4212-06, blue anodizing |
| Aluminium components | SS 4212-06, black anodizing |
| Steel components | SS 2346, SS 2333 |

¹⁾ Speed depending on chosen torque.

²⁾ UPS needed.

³⁾ Parameters depending on chosen size of gear.

Electric linear actuators

| Parameters | P30L | P30EXL | P50L | P220L |
|--------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Type of actuator | Linear high speed | Linear high speed ATEX | Linear | Linear |
| Force [kN] | 3-12 | 3-12 | 4-16 | 6-40 |
| Standard screw pitch [mm] | 10 | 10 | 10 | 25 |
| Speed [mm/min] | 400 | 400 | 25 ¹⁾ | 60 ¹⁾ |
| Working range [mm] | 330 (1600 ²⁾) | 330 (1600 ²⁾) | 330 (1600 ²⁾) | 330 (1600 ²⁾) |
| Precision [mm] | ± 0.10 | ± 0.10 | ± 0.15 | ± 0.20 |
| Sealing | IP67 | IP67 | IP67 | IP67 |
| Surrounding temp [°C] | -20 – +60 | -20 – +60 | -20 – +60 | -20 – +60 |
| Max standard stroke [mm] | 40/100 | 40/100 | 40/100 | 100 |
| Installation in all directions | Yes | Yes | Yes | Yes |
| ATEX-certified | No | Yes | No | No |
| Weight (kg) | 7 | 7 | 9 | 14 |

| Electrical data | P30L | P30EXL | P50L | P220L |
|-------------------------------|-----------|-----------|----------|----------|
| Type of motor | Brushless | Brushless | Step | Step |
| Voltage [VDC] | 24 ± 15% | 24 ± 15% | 24 ± 15% | 24 ± 15% |
| Max. power [W] | 200 | 200 | 70 | 120 |
| Average power [W] | 100 | 100 | 35 | 60 |
| Max. current [A] | 8 | 8 | 3 | 5 |
| Average current [A] | 2 | 2 | 1 | 2 |
| Analogue control [mA] | 4-20 | 4-20 | 4-20 | 4-20 |
| Return (position) signal [mA] | 4-20 | 4-20 | 4-20 | 4-20 |

| Material data | |
|-------------------------|-----------------------------|
| Aluminium servo housing | SS 4212-06, blue anodizing |
| Aluminium components | SS 4212-06, black anodizing |
| Steel components | SS 2346, SS 2333 |

1) Speed depending on chosen force.
2) UPS needed.