

SERVOCRAFT - Throttle Actuator

» THROTTLE ACTUATOR



The FEV ServoCraft is a universal linear-actuator for operation of throttle valves and injection pumps for combustion engines. The actuator consists of a brushless servo motor.

The rotary motion is transformed into a highly accurate linear motion with integrated position feedback signal.

Effective traveling distance can be limited by mechanical stops and normalized during automatic teach-in cycle. In addition the actuation force can be adjusted. Direct manual setup of the actuator is easy by means of the 3,5" touch-screen of both remote control or power unit.

The control and power unit is a compact 19" rack of 3 HU while the included remote control can be placed close to the actuator for easy adjustment and maintenance.

Your Benefits

- > Highly accurate linear drive unit, maintenance-free construction
- > Easy operation
- > Graphical 3.5" full colour QVGA touch-screen user interface
- > Drive mode selectable between set-up and operation
- > External set point input and position feedback
- > Setup operation manually or automatically
- > Actuation force adjustable

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Technical Data

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|--------------------------------------|---|
| Actuator | Brushless servo motor; turning motion is transformed into linear motion |
| Shifting travel | 125 mm, longer stroke on request |
| Max. actuation force | 200 N (500 N short duration) |
| Max. travel speed | 100 mm in 100 ms |
| Positioning accuracy | < 0.2 mm |
| Temperature range | -20...+55 °C |
| Protection class | IP65 |
| Dimensions Actuator (w x h x d) | 150 x 130 x 240 mm |
| Weight | 9.8 kg |
| Mechanical connection to test object | Flexball® - cable |
| | |
| Control and power unit | 19"; 3 HU |
| Power supply ¹⁾ | 110-240V AC |
| Power supply frequency | 47 - 63 Hz |
| Current | max. 13A |
| User Interface | 3.5" Touch Screen, QVGA |
| Position setpoint signal | 0 - 10V |
| Position feedback signal | 0 - 10V |
| Digital input interface | Optocoupler, 15-30V, 5 mA |
| Digital output interface | 24V, max. 100 mA |
| Temperature range | 0 - 50 °C |
| Weight | 9.8 kg |
| Color | RAL 7035 / RAL 9011 |
| Option USV | Interruption free power supply |
| Remote control | 3.5" Touch Screen, QVGA, dimensions 180 x 155 x 70 mm incl. wall mount |