Electrical actuator type LINAK

Stafsjö
SINCE 1666

Data is only for informational purpose. All specifications are subject to change without notice.

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Linak's electric actuator is a compact maintenance free unit for on/off operations with a speed 7-11 mm/sec. It is available as standard in a 24 V DC version but it can also work on 230 V AC or 120 V AC if it is supplied with a control unit/transformer. The actuator unit features a solid stainless steel structure holding the actuator in excactly correct position during operation. It can be supplied on Stafsjö's WB11, WB14, WB14E and MV knife gate valves from DN 50 (2") up to DN 300 (12").

Actuator unit

Type: LA36
Protection Class: IP66
CE: Yes
Speed: 7-11 mm/sec
Supply voltage: 24 V DC
Intermedient: max. 5 % (1 min. drive and 19 min. rest)
Ambient operating temperature: -30°C to +65°C
Load: Push 10000 N, Pull 10000 N
Self Lock: 13000 N
Mechanical overload protection through integrated slip clutch
Manual hand crank
Body in aluminum
Piston in stainless steel AISI 304
Valve adapter and assembly parts in stainless steel AISI 304

Control units

The Linak actuator can be supplied with three different control units/ tranformers, all to be operated manually directly on the unit or remote operated via a cable of which two is available with push buttons for open/stop/close. An external battery back-up WCU-UPS can as option be connected to the WCU to ensure an always fully operational valve unit in case of failure in the main power supply.

WCU LIGHT for analog and digital communication:

Type: WCU Light TREM-0000-0085-DK with option for DIN rail mounting TREM-0000-0091-DK
Protection Class: IP66
CE: Yes
Signal out: In end positions
Housing material: Poly Carbonat
Protection class: IP 66
Control signal: Analog 4-20 mA or digital ON/OFF
(Always 4-20 mA FB signal)
Display: On the PCB visual through the lid showing actual valve position (0-100 %)
Signals: overcurrent, manual/auto
Fuse: 1.6 Amp (Ø5x20 mm)
Max. current: 13 Amp
Intermittens: Max. 10 %
Output voltage: 24 V DC
Supply voltage: 230 V AC with option in 120 V AC
Ambient operating temperature: 5°C to +40°C

WCU BASIC for analog and digital communication:

Type: WCU Basic TREM-0000-0064-DK
Protection Class: IP66
CE: Yes
Display: In front showing actual valve position (0-100 %)
Push buttons for open/close/stop
Housing material: Poly Carbonat
Protection class: IP 66
Signal out: In end positions
Control signal: Analog 4-20 mA or digital ON/OFF
(Always 4-20 mA FB signal)
Fuse: 1.6 Amp (Ø5x20 mm)
Max. current: 13 Amp
Intermittens: Max. 10 %
Output voltage: 24 V DC
Supply voltage: 230 V AC with option in 120 V AC
Ambient operating temperature: 5°C to +40°C

WCU BASIC BUS for Profi Bus communication:

Type: WCU Bus TREM-0000-0067-DK
Protection Class: IP66
CE: Yes
Display: In front showing actual valve position (0-100 %)
Push buttons for open/close/stop
Housing material: Poly Carbonat
Protection class: IP 66
Signal out: In end positions
Control signal: Analog 4-20 mA or digital ON/OFF
(Always 4-20 mA FB signal)
Fuse: 1.6 Amp (Ø5x20 mm)
Max. current: 13 Amp
Intermittens: Max. 10 %
Output voltage: 24 V DC
Supply voltage: 230 V AC with option in 120 V AC
Ambient operating temperature: 5°C to +40°C

External battery back-up WCU-UPS

Type: TREM-0000-0065-DK
Power supply: 23-34 V DC
Power consumption - Connected: Max 0,9 Amp. (Charging), 0,25 mA (standby)
Battery: 2x VRLA 12V-1,2 Ah
Power consumption - Battery: 4 mAmp standby, sleep mode 0,5 mAmp
Output: 5 Amp (continuous), 12 Amp 5 min., 15 Amp 10 sek.
Charging current: Max. 0,5 Amp
Output type: PNP max. 20 mA

Further information is available on www.stafsjo.com

Globally active. Locally represented.

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For other countries, please contact us directly.

Stafsjö
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Stafsjö Valves AB
SE-618 95 Stavsjö, Sweden

Phone: +46 11 39 31 00
Fax: +46 11 39 30 67

info@stafsjo.se
www.stafsjo.com

A Bröer Group company