



Linear Electric Actuators - Type EL

EL12, EL20, EL45, EL80, EL120, EL250

Description

Electric linear actuators EL series for modulating and open/close duty of control and process technology to operate control valves. The self-locking stem/stem nut is driven by an electric motor via a gearing. Load and limit switches define the stops for the end positions.

Price

ON REQUEST

Combination with a Control Valve (short instruction)

On delivery the driving rod (1) is driven out to the bottom end limit (anti-rotation flange at bottom mark).

Further procedure :

- Insert valve stem (4) into the valve all the way to limit stop
- Move the driving rod (1) up by rotating the hand wheel anti-clockwise by about 20 mm (see manual operation).
- Lift the actuator and yoke over the valve stem, place onto the top of the valve and secure using the mounting nut (9)
- Unscrew the locking plate (3) and the anti-rotation flange (8) in succession from the coupling flange (2) and allow to fall over the stem.
- Remove the threaded socket (6) from the coupling flange and screw it onto the stem according to dimension L from table 1.
- Drive out the rod by rotating the hand wheel clockwise until the threaded socket (6) stops in the coupling flange (2). Screw the anti-rotation flange (8) and the locking plate (3) onto the coupling flange
- Tighten the stem with the nut (5) against the threaded socket.
- When mounting pay attention that the valve plug is not pressed onto the seat and is not turned.

For electrical connections please report to IMI EL20.00

Manual Operation

The manual adjustment must not be disengaged or engaged while the motors is running.

Execute the manual adjustment only with motor being at standstill, hereto:

- With the left hand press the disengaging rod (11) with plate in direction of the outgoing driving rod toward the bottom
- Simultaneously turn the handwheel (10) with the right hand until the coupling-in has sensible been executed
- To actuate the linear actuator now turn the handwheel, hold the disengaging rod with the plate in engaged position

Turning crank handle to the right (clockwise), the driving rod moves out of the actuator

Turning crank handle to the left (anti-clockwise), the driving rod moves into the actuator

(The linear actuator is automatically switched back to motoric operation, as soon as the disengaging rod will be released).

Linear Electric Actuators with Fail-safe Function - Type ELR

Type ELR2.1, ELR2.2, ELR2.3

Description

Electric linear actuators ELR series for modulating and open/close duty of control and process technology to operate control valves.

The self-locking stem/stem nut is driven by an electric motor via a gearing. Load and limit switches define the stops for the end positions.

In case of power failure, the electric linear actuator runs spring driven into the respective fail-safe position (thrust rod either extended or retracted). In modulating duty, the end position seating is made via limit switches.

Price

ON REQUEST

