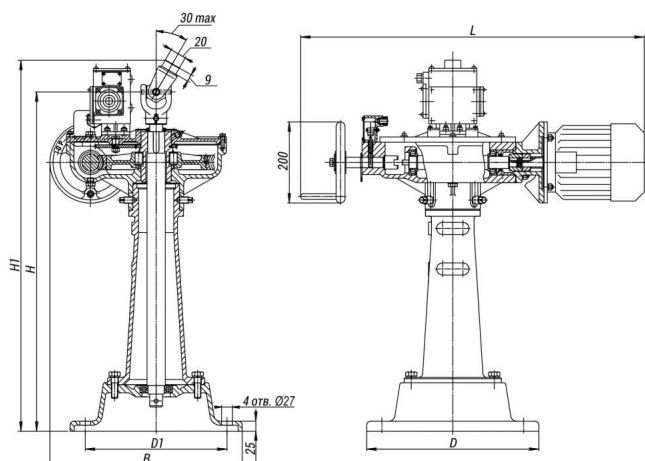


# 822-K3-0



Production according to TR  
28.14.20-006-15365247-2016

**The core type electric actuators of series: 821, 822, 824, 825, 876, 1280 are intended for the remote control of isolation and control valves under operational conditions not allowing application of built-in electric actuators.**

**The electric actuators enable the following actions:**

- Closing, opening and stopping in any intermediate position of a locking device of fittings from the control board and in manual mode.
- Automatic switching-off of the electric motor:
  - when the locking or control device achieves the established boundary positions;
  - in extreme positions and in the intermediate position at the moment of stroke of the gate element when achieving the rotational torque on the driving shaft higher than the set one.
- Local and remote indication of the locking device position.
- Electric blocking of the electric motor in case of manual control of the fittings.
- Remote signaling.

## Specifications

Applicability to Fittings	Rotational Speed, rpm	Power, kW	DN, mm	Designation - display in a group	Designation - display in the product table	L, mm	B, mm	Motor Model	H, mm	D, mm	D1, mm	H1, mm	Full Weight, kg	Updated	Torque, N*m
Shut-off	20,3	1,32	0	0	0	864	475	AMPC8 0A4Y2	856	425	360	904	117	0	500

**The electric actuators are controlled** according to the electric circuits.

**In case of manual control**, the valves are closed through turning the handwheel to the right and opened through turning the handwheel to the left. The translation of motion happens through the worm gear using a roller.

**Installation position:**

- A built-in electric actuator shall be directly installed on the trolley of valves. It consists of a single throated worm gear, an electric motor, a hand control blocking unit and a box of limit and position switches.
- A core type electric actuator shall be installed on the mounting pole (column). It consists of a single throated worm gear, an electric motor, a hand control blocking unit, a box of limit and position switches and a joint coupling shaft.

**Climatic version:**

- The electric actuators for the Russian domestic supplies are intended for operation in the macroclimatic areas with a moderate (Y) climate, atmosphere type П and placement category 3 according to GOST 15150-69.
- The electric actuators for the export supplies are intended for operation in the macroclimatic areas with a moderate (Y) or tropic (T) climate, atmosphere type П and placement category 3 according to GOST 15150-69.

**The operation conditions** in the closed premises are as follows:

- Ambient temperature: to 40 °C.
- Aerial environment: non-explosive.
- Elevation above sea level: to 1000 m.
- Relative humidity:
  - not more than 80% at 20 °C;
  - not more than 50% at 40 °C.

**In order to obtain information on the working device position:**

- Gate valves are completed with limit switches BKO-31, BKO-32 and BKO-35.
- Control valves are completed with position signaling mechanisms МСП-1-1, МСП-1-2 and МСП-1-3.

**The choice of the device** is carried out depending on the number of rotations of the spindle bushing, necessary for displacement of the shutoff or control body from one extreme position to another one.

**The choice of limit switches BKO and position signaling mechanisms МСП versions** shall be done pursuant to the below table:

## **Page link:**

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