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Installation instructions EA100R DN 15 - DN 50

Assembly of Actuator EA100R and valve

For ensuring the proper functioning, **make sure that both actuator and valve are correctly set when assembling!** Proceed as follows:

1. Technical data Actuator EA100R

Power supply	230V / 50Hz or 24V / 50Hz
Power consumption	3,5 VA
Relay	integrated (standard)
Auxiliary switches (potential-free)	0 (standard) 1 or 2 on request
Hand lever	on request incl.
Protection class	IP 40 or IP 65 (with heating 5W, power supply by clamp 1 + 3)
Switching time	60 Sec. for 90° or 30 Sec. for 90°
Torque	20 Nm (60 Sec.) or 17 Nm (30 Sec.)
Ambient temperature	-10° to +50°C

2. Rotation angle

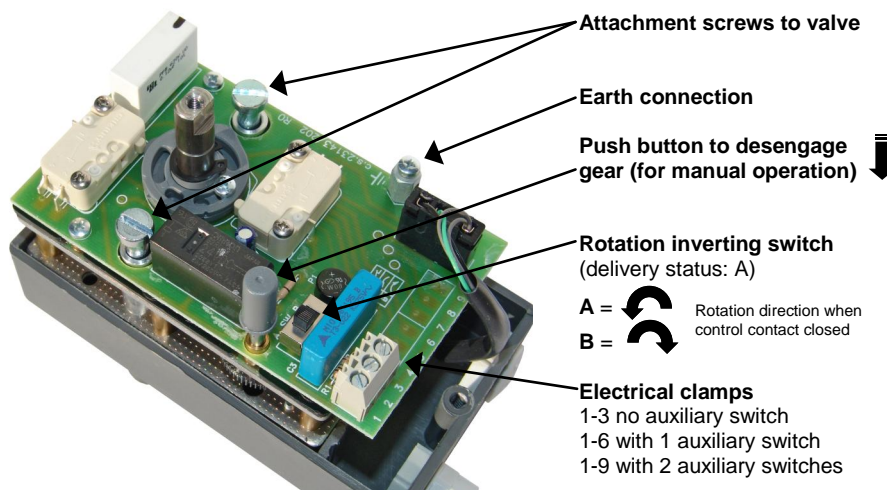


Picture shows delivery status. Actuator need to be mounted in this position to valve.

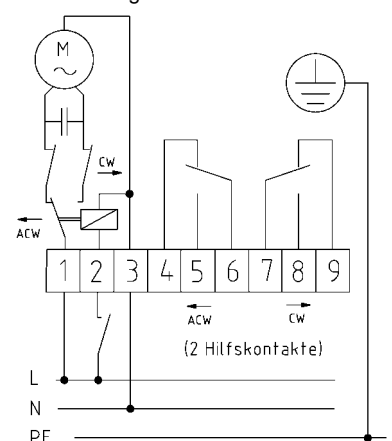
Marked 90°-range = standard running angle

IP65-version: no indication!

3. Functions / Electrical wiring



Electr. wiring:




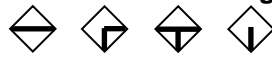
Before opening actuator make sure that the system is off power!
 Under the cover you will find electrical clamps, earth connection, screws for mounting to valve and sliding switch for selecting rotation direction (A or B).

Sliding switch A / B inverts the function of control contact.

Electrical clamps

1	Steady current
2	Control contact
3	Neutral wire
4-6	Auxiliary switch 1
7-9	Auxiliary switch 2

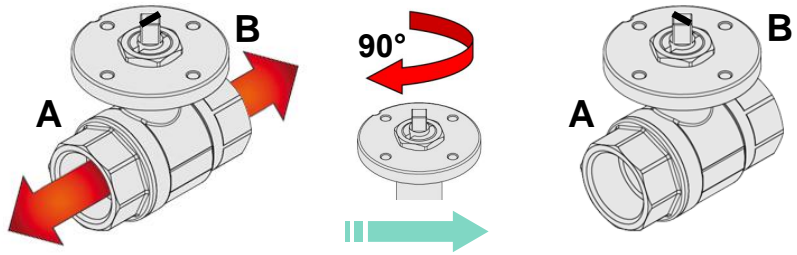
4. Valve

 Before mounting actuator, set the valve into the right position.
Observe the marks on stem: 

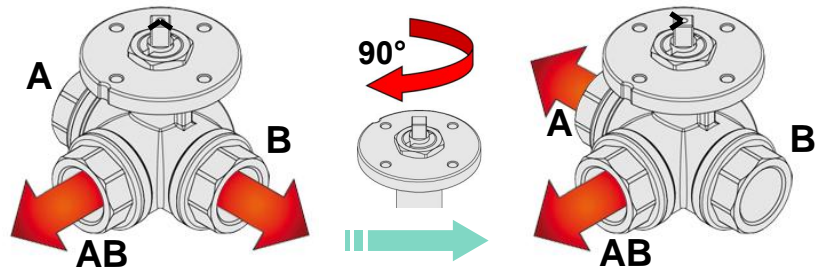
Valve position = final position at following control switch setting:



2-ways

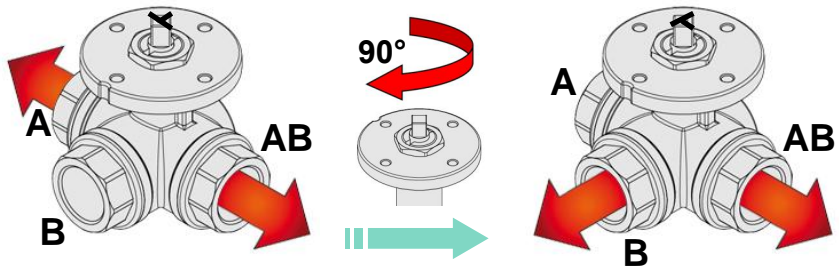


3-ways L-bore

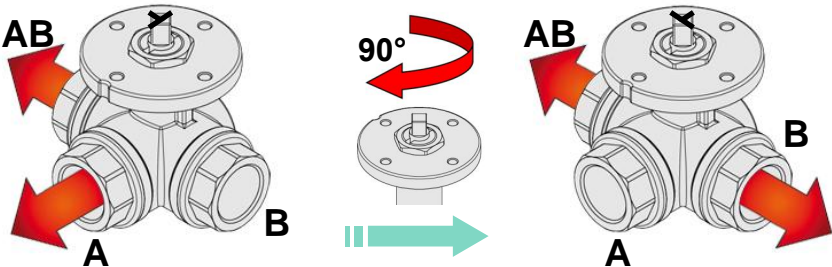


3-ways T-bore

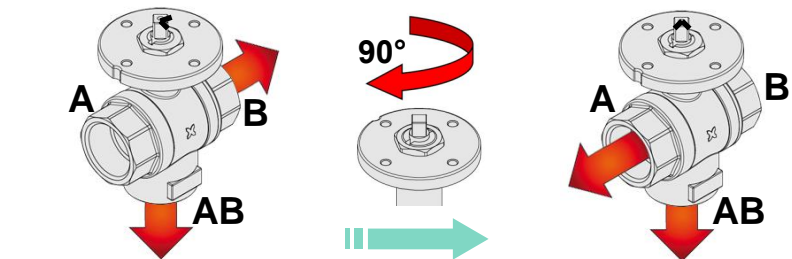
common entry / exit (AB) at right



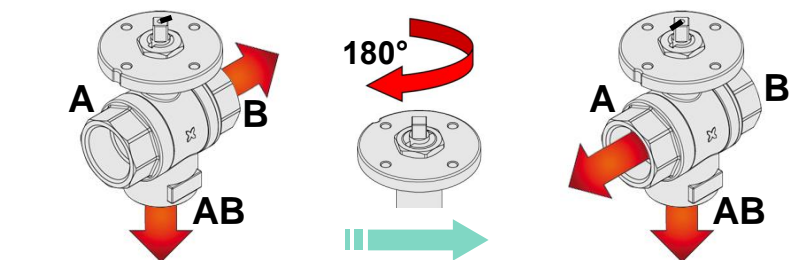
common entry / exit (AB) at left




3-ways vertical 90°



3-ways vertical 180°



 Mounting of actuator on valve in any 90° resp. 180° position possible. Function of valve will **not** be affected. Do not install valve with actuator in hanging downward position.