

assembly and operating instruction

CEA001

1 general information

- 1.1 These valves are used to control pneumatic cylinders resp. pneumatic actuators). They can only be operated with compressed air.
- 1.2 the compressed air must comply at least with the following quality class according to ISO8573-1: ISO8573-1:2010 7:4:4
- 1.3 These valves can be operated with lubricated or non lubricated air.
- 1.4 If oiled air is used it is important that lubrication is given all the time.

2 Before installation

- 2.1 Check valves for possible transport damages.
- 2.2 Compare indications of the type plate with operating data. (type, voltage, frequency, operating pressure)

3 Mechanical installation

- 3.1 During mounting it is important that no contaminations or sealants enter the valve.
- 3.2 Mounting position is optional.
- 3.3 Do neither use the thin-walled tube as lever nor bend it.
- 3.4 It is absolutely necessary that the flange face at the actuator is clean.
- 3.5 The Namur-Valve and both flange o-rings have to be mounted with the provided M5 screws onto the actuator.

4 Electrical installation

- 4.1 The valves have to be connected according to the relevant regulations by authorised specialists.
- 4.2 AC coils may be supplied with voltage, if the proper assembly on the valve is ensured. Otherwise the coil can be thermally destroyed by increased current consumption.
- 4.3 Before pressurisation the electrical function has to be tested.

5 maintenance

- 5.1 Before inspection of the valve, disconnect the power supply and drain the pressure out of the system.
- 5.2 Please note: There is risk of injury! The surface of the solenoid coil can warm enormously when operated continuously.
- 5.3 All inner parts have to be tested and cleaned. If necessary they have to be replaced by original parts.
- 5.4 Reassemble all parts of the solenoid valve accurately and in right order.
- 5.5 The tightness and the correct function has to be tested before starting of operation.

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