2-WAY BALL VALVE, AUTOMATED ELECTRICALLY

Description:
- 2-pieces body construction
- light-weight design
- female thread acc. to EN 10226
- blow out safe, spindle mounted from inside
- any installation position
- compact actuator with a body made of plastics
- the actuator works bi-directionally
- connection with a very robust plug-in system (assembled without tools)

Range of application:
- light-weight design for a variety of industrial applications
- very low torque allow an economical actuator design
- working pressure PN10 (see pressure-temperature-diagram)
- temperature range: -20°C up to +80°C at max ambient temperature of +40°C (see pressure temperature diagram)
- working pressure: 0 - 16 bar
- manipulating time: 2-60 sec.
- hot and cold water, compressed air, oils, not corrosive liquids, hydrocarbon

Comments:
Better protection against unintended disengagement of the spindle and the sealing by a blow out protection. No accidental damage from outside possible.

Threads according to EN 10226: It describes the threaded connection of a conical male thread (R) with a parallel female thread (Rp).

An electric actuator QM2 is also available with a manipulating time of 2 sec.

pos. part standard material
1 body CW617N nickel plated E
2 connector CW617N nickel plated F
3 ball CW614N chromium-plated
4 seat sealing PTFE / elastomer coating T
5 spindle CW614N
6 anti-friction ring PTFE H
7 o-ring HNBR

For details about the order code see "Order information". An overview of the complete material code you can find at the beginning of each product section of the product catalogue.

options:
- OF: free of oil and grease
- SF: free of silicone
- QM02: actuator with a manipulating time of 2 sec.

Pressure temperature diagram
The pressure temperature diagram refers to the ball valve of this type. For the actuated units the actuator limits the permissible pressure range to the operating pressure as indicated above, as long as this is lower than the pressure range of the ball valve. If your application has strong temperature variations, you may need additional options like a relief well, to meet the figures. Please tell us your temperature variations with your order.
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**Type:** ENKA28

**Connection diagram:**
- **blue:** neutral conductor
- **green:** open
- **brown:** closed
- **grey:** limit switch
- **white/pink:** additional limit switch

**Information about the voltage:**
- **0:** 230V 50-60Hz

**Description:**
- medium temperature: -20°C up to +70°C (at max. ambient temperature of +40°C)

**Order information:**
1: **automation:**
- E: electric actuated

2: **type:** NKA28

3: **connection size:** 04-09 (see table)

4: **materials:**
- 1: digit: body material (brass nickel plated)
- 2: digit: sealing for spindle (HNBR)
- 3: digit: ball material (brass chromium-plated)
- 4: digit: seat sealing (PTFE)

5: **actuator:**
- QM01 with voltage 0 (230V 50-60Hz)
- QM02 (2 sec. manipulating time) optionally

6: **options** (see "options")

Please ask for field specifications that are not listed in this data sheet.

Before installation please consider the installation and maintenance manual, especially the safety indications!