

06/2024



⚠ Above stated body materials refer to the valve port connections that get in contact with the media only!

details needed for main valve

- orifice
- port
- function NC/NO
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- type of actuation

details needed for pneumatic actuation

- nominal voltage
- type of protection
- actuation pressure range min/max
- pilot valve type

⚠ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

⚠ If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application. To avoid hydraulic shocks in pipelines, the flow velocities must be taken into account when designing valves for liquids.

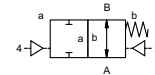
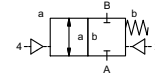
■ specifications not highlighted are standard
 ■ specifications highlighted in grey are optional

2/2-way valve

pressure range
orifice
connection
function

externally controlled

PN 0-1000 bar
 DN 8 mm
 thread
 valve normally closed
 symbol **NC**
 valve normally open
 symbol **NO**



operating principle
body material

pressure balanced, with spring return
 © stainless steel 1.4404

valve seat
seal materials

synthetic materials on metal
 HPU, FKM

ports
function
pressure range
Kv value
vacuum
pressure-vacuum

general specifications
 KX 13/16"-16 UN (9M) cone/thread connection
 bar NC 0-1000 NO
 m³/h 1,9
 leak rate < 10⁻⁴ mbar•l•s⁻¹
 P₁ ↔ P₂

back pressure
media

P₂ > P₁ 0-1000 gaseous liquid upon request

abrasive media
damping

opening closing by throttles on pilot valve

flow direction
switching cycles
switching time

A ↔ B as marked bi-directional upon request
 1/min
 ms opening closing

media temperature
ambient temperature
flush ports
leak ports

°C -10 to +60 remote mounted pilot valve outside temperature range of media -40 °C to +85 °C
 °C -10 to +50
 M5

limit switches
manual override
approvals
mounting
weight
additional equipment

via pilot valve inductive
 mounting brackets
 kg 11,8 upon request

nominal voltage
power consumption
protection
energized duty rating
connection
optional additional equipment
max. temperature

electrical specifications
 U_n DC 24 V special voltage upon request
 U_n AC 230 V 50 Hz special voltage upon request
 DC 4,8 W
 AC pick up 11.0 VA holding 8.5 VA
 IP65 (P54) acc. DIN 40050
 ED 100%
 plug acc. DIN EN 175301-803 form B, 2 positions x180° / wire diameter 6-8 mm
 M12x1 connector acc. DESINA connector acc. VDMA
 illuminated plug with varistor
 media 60°C
 ambient 50°C

explosion proof

E Ex e II T5 nominal voltage U_n DC 24 V 3,25 W
 power consumption AC 230 V 50 Hz 2,90 W

actuation pressure range
air consumption
cycle speed
control
pilot valve interface
actuator ports

pneumatic specifications
 bar 6-10
 cm³/stroke 120
 main valve speed variable by throttle on pilot valve preferably 5/2 way pilot valve
 NAMUR acc. VDI / VDE 3845
 2/4 G 1/8

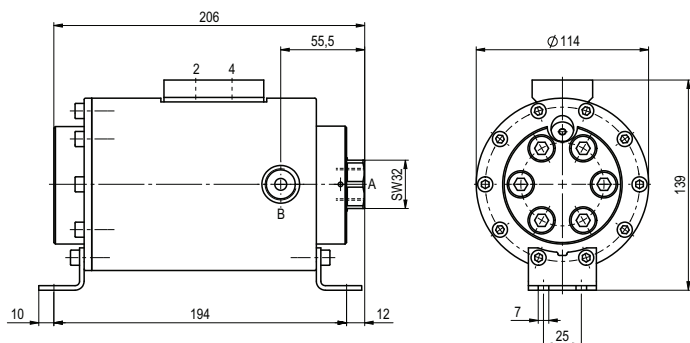
actuation pressure range
control
actuator ports
by media

hydraulic specifications

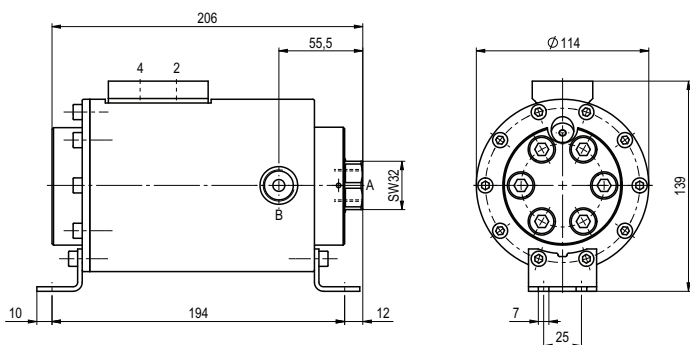
coax® data sheet - lateral valve

type KX 1000

function: **NC**
closed when not energized



function: **NO**
open when not energized



pneumatic specifications

