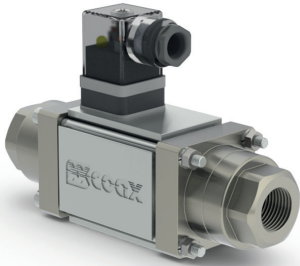


08/2022



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

details needed

- orifice
- port
- function NC/NO
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

⚠ 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.

2/2-way valve

pressure range

orifice

connection

function

direct acting

PN 0-63 / 0-100 bar

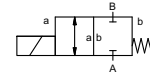
DN 10 / 8 mm

thread

valve

normally closed

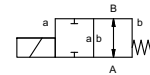
symbol **NC**



valve

normally open

symbol **NO**



operating principle

body material

pressure balanced, with spring return

① brass

②

③

⑤

④

⑥ stainless steel

⑦ aluminium

valve seat

synthetic materials on metal

seal materials

NBR

PTFE, FPM, EPDM

ports

MK threads G 1/4 - G 3/4

options

special threads

function

NC

NO

pressure range

0-63 | 0-100

Kv value

m³/h 2.3 | 1.6

vacuum

leak rate

< 10⁻⁶ mbar•L•s⁻¹

pressure-vacuum

P₁ ↔ P₂

upon request

back pressure

P₂ > P₁

upon request

media

gaseous - liquid - contaminated

abrasive media

damping

opening

closing

A → B as marked

bi-directional upon request

flow direction

switching cycles

switching time

1/min 200

ms

opening 135

closing 20

media temperature

°C

DC: -10 to +100

-30 to +120

AC: -10 to +100

-30 to +120

ambient temperature

°C

DC: -10 to +80

AC: -10 to +80

upon request

limit switches

manual override

approvals

LR/DNV/WAZ

mounting

kg

MK 2.2

mounting brackets

weight

additional equipment

upon request

nominal voltage

U_n

DC 24 V +5%/-10%

special voltage upon request

U_n

AC 230 V +5%/-10% 40-60 Hz

special voltage upon request

actuation

DC

direct-current magnet

AC

direct-current magnet with integrated rectifier

insulating rating

H

180°C

protection

IP65

energized duty rating

ED

100%

connection

plug acc. DIN EN 175301-803 form A, 4 terminal box M16x1,5 positions x90° / wire diameter 6-8 mm

optional

additional equipment

current consumption

M12x1

connector acc. DESINA

connector acc. VDMA

illuminated plug with varistor

N-coil

DC 24 V 1.33 A

AC 230 V 40-60 Hz 0.14 A

explosion proof

terminal box M16x1,5

Ⓜ II 3G Ex ec IIC T3 Ta -20...+80°C Gc

Ⓜ II 3D Ex tc IIIC T195°C Ta -20...+80°C Dc

Ⓜ II 3G Ex h IIC T3 Gc

Ⓜ II 3D Ex h IIIC T195°C Dc

limit switches

inductive [B]

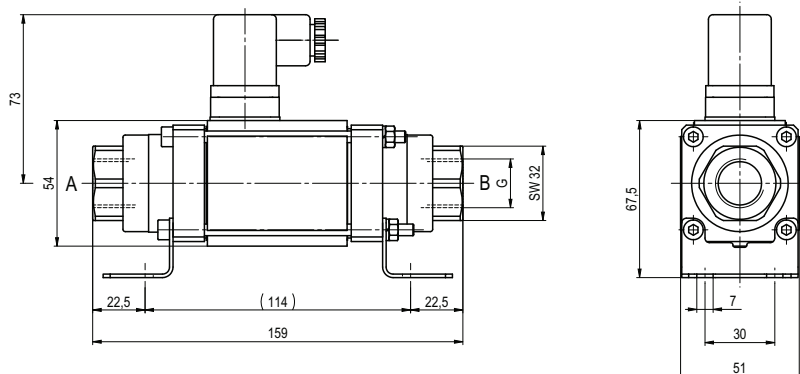
normally open-PNP

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

coax® data sheet - coaxial valve

type MK 10 63/100 bar

function: **NC**
closed when not energized



function: **NO**
open when not energized

