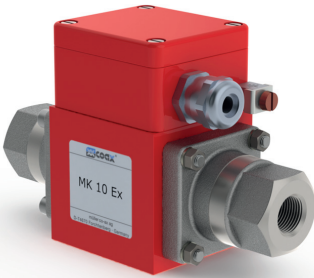


07/2022



⚠ 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 0-16 bar

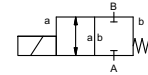
DN 10 mm

thread

valve

normally closed

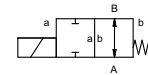
symbol **NC**



valve

normally open

symbol **NO**



operating principle

body material

pressure balanced, with spring return

① brass

②

③ brass, nickel plated

⑤

④

⑥ stainless steel

valve seat

synthetic materials on metal

seal materials

NBR

PTFE, FPM, CR, EPDM

ports

MK threads G 1/4 - G 3/4

options

special threads

function

NC

NO

pressure range

0-16

> 16 bar upon request

Kv value

m³/h 2.5

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

opening

damping

closing

flow direction

A ↔ B as marked

upon request

switching cycles

1/min 200

switching time

ms opening 80
closing 140

media temperature

°C DC: -20 to +40

-40 to +40

AC: -20 to +40

-40 to +40

ambient temperature

°C DC: -20 to +40

-40 to +40

AC: -20 to +40

-40 to +40

limit switches

inductive

manual override

LR/DNV/WAZ

approvals

mounting

mounting brackets

weight

kg MK 1.5

additional equipment

upon request

electrical specifications

options

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

DC direct-current magnet

AC direct-current magnet with integrated rectifier

nominal voltage

actuation

insulating rating

H 180°C

protection

IP68

energized duty rating

ED 100%

connection

terminal box
3 m flying leads

optional

additional equipment

current consumption

U _n	V-AC/DC	24	230	20	48	98	110	125	200
I _n	A	1.04	0.13	1.18	0.50	0.25	0.22	0.22	0.13

explosion proof

- Ⓜ II 2G Ex mb IIC T4 Gb
- Ⓜ II 2D Ex mb IIIC T130°C Db IP68
- Ⓜ II 2G Ex h IIC T4 Gb
- Ⓜ II 2D Ex h IIIC T130°C Db

limit switches

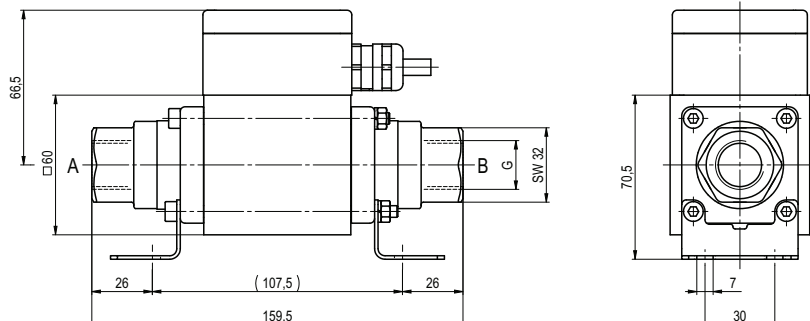
inductive NAMUR circuit amplifier

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

coax® data sheet - coaxial valve

type MK 10 Ex

function: **NC**
closed when not energized



function: **NO**
open when not energized

