

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 0-40 bar

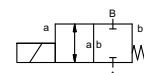
DN 10 mm

thread

valve

normally closed

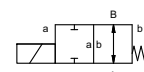
symbol **NC**



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
- ⑦ aluminium

valve seat

synthetic materials on metal

seal materials

NBR FPM, CR, EPDM

ports

MK threads G 1/4 - G 3/4

options

special threads

function

NC

NO

pressure range

0-16 / 0-40

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 available (max. 16 bar)

media

gaseous - liquid - contaminated

abrasive media

damping

flow direction

A ↔ B as marked bi-directional (max. 16 bar)

switching cycles

1/min 200

switching time

ms opening 25
closing 25

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

limit switches

inductive

manual override

LR/DNV/WAZ

approvals

mounting brackets

mounting

weight

kg MK 1.5

additional equipment

upon request

nominal voltage

U_n DC 24 V +5%/-10% special voltage upon request
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

M12x1 connector acc. DESINA connector acc. VDMA

additional equipment

illuminated plug with varistor

current consumption

N-coil DC 24 V 1.04 A
AC 230 V 40-60 Hz 0.13 A

explosion proof

H-coil DC 24 V 1.28 A
AC 230 V 40-60 Hz 0.16 A
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

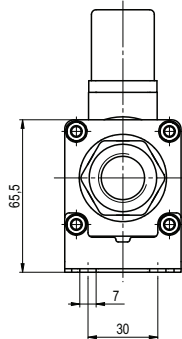
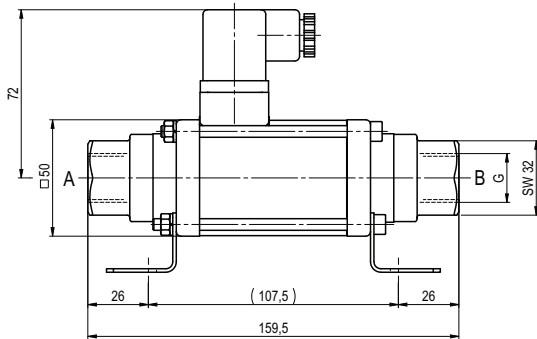
inductive (B) normally open-PNP

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

coax® data sheet - coaxial valve

type MK 10

function: **NC**
closed when not energized



function: **NO**
open when not energized

