

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

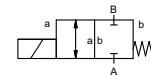
PN 0-40 bar

DN 10 mm

thread

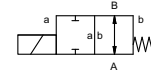
valve

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

general specifications

options

MK

threads G 1/4 - G 3/4

special threads

bar

NC

NO

0-16 / 0-40

m³/h

2.5

leak rate

< 10⁻⁶ mbar•l•s⁻¹P₁ ⇄ P₂

upon request

P₂ > P₁

available (max. 16 bar)

gaseous - liquid - contaminated

ports

function

pressure range

Kv value

vacuum

pressure-vacuum

back pressure

media

abrasive media

damping

flow direction

switching cycles

switching time

media temperature

ambient temperature

limit switches

manual override

approvals

mounting

weight

additional equipment

opening

closing

A ⇄ B

as marked

bi-directional (max. 16 bar)

1/min

200

ms

opening 25

closing 25

°C

DC: -10 to +100

-30 to +120

AC: -10 to +100

-30 to +120

°C

DC: -10 to +80

AC: -10 to +80

inductive

LR/DNV/WAZ

mounting brackets

kg

MK 1.5

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

H

180°C

IP65

ED

100%

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

M12x1

connector acc. DESINA

connector acc. VDMA

illuminated plug with varistor

N-coil

DC 24 V 1.04 A

AC 230 V 40-60 Hz 0.13 A

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

inductive [B]

normally open-PNP

nominal voltage

actuation

insulating rating

protection

energized duty rating

connection

optional

additional equipment

current consumption

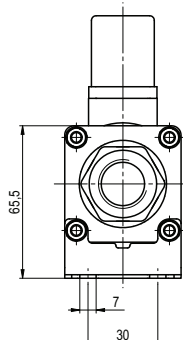
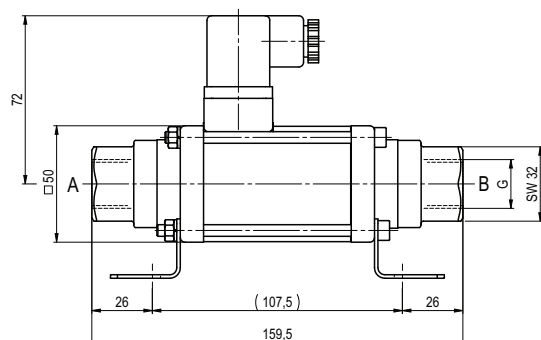
explosion proof

limit switches

coax® data sheet - coaxial valve

type MK 10

function: **NC**
closed when not energized



function: **NO**
open when not energized

