

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
- inlet pressure at A, B or C
- 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.

3/2 way valve

pressure range

orifice

connection

function

direct acting

PN 0-16 bar

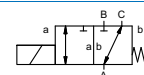
DN 10 mm

thread

valve

normally closed (A ► B)

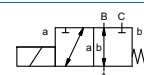
symbol **NC**



valve

normally open (A ► B)

symbol **NO**



operating principle

body material

pressure balanced, with spring return, intersecting switch-over

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

A ⇒ B max. 16 / B ⇒ A max. 16 / A ⇒ C max. 16 / C ⇒ A max. 16

Kv value

m³/h

2.6

vacuum

leak rate

< 10⁻⁶ mbar•L•s⁻¹

pressure-vacuum

P₁ ⇔ P₂

upon request

back pressure

P₂ > P₁ see pressure range

media

gaseous - liquid - contaminated

abrasive media

opening

closing

see pressure range

flow direction

switching cycles

switching time

1/min

200

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

manual override

approvals

mounting

weight

additional equipment

LR/DNV/WAZ

mounting brackets

kg

MK 2.2

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

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

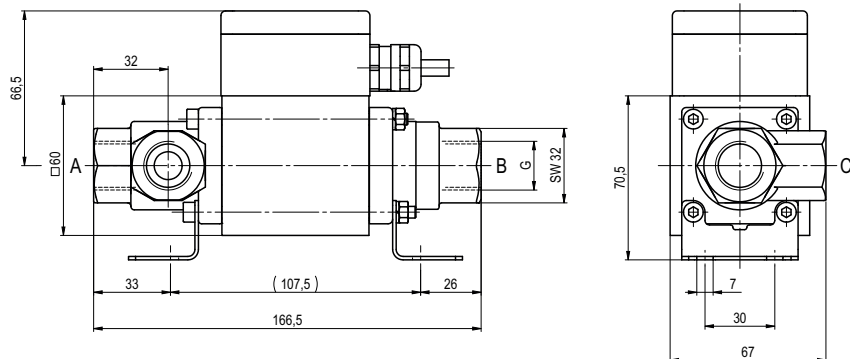
limit switches

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

coax® data sheet - coaxial valve

type MK 10 DR Ex

function: **NC**
closed when not energized (A ► B)



function: **NO**
open when not energized (A ► B)

