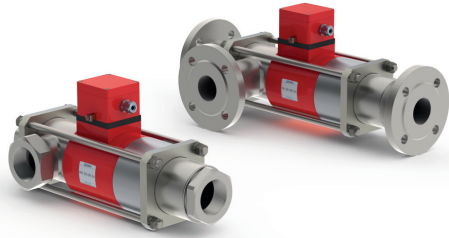


08/2021



! 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.

3/2 way valve

pressure range

orifice

connection

function

direct acting

PN 0-16 bar

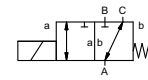
DN 50 mm

thread/flange

valve

normally closed (A ► B)

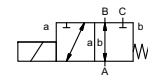
symbol **NC**



valve

normally open (A ► B)

symbol **NO**



design

body materials

pressure balanced, with spring return, intersecting switch-over

- ①
- ② steel galvanized
- ③
- ④ steel, nickel plated
- ⑤ without non-ferr. Metals
- ⑥ stainless steel

valve seat

synthetic resin on metal

seal materials

NBR PTFE, FPM, CR, EPDM

ports

MK threads G 2

FK flanges PN 16

bar 0-16

A ⇒ B max. 16 / B ⇒ A max. 10 / A ⇒ C max. 16 / C ⇒ A max. 16

m³/h 28,2

leak rate < 10⁻⁶ mbar•L•s⁻¹

P₁ ⇔ P₂ upon request

P₂ > P₁ see pressure range
gaseous - liquid - highly viscous -
gelatinous - contaminated

upon request

opening

closing

see pressure range

1/min 40

ms opening 400

closing 400

°C DC: -20 to +40

AC: -20 to +40

°C DC: -20 to +40

AC: -20 to +40

abrasive media

damping

flow direction

switching cycles

switching time

media temperature

ambient temperature

limit switches

manual override

approvals

mounting

weight

additional equipment

- inductive available
- LR/GL/WAZ
- mounting brackets

kg MK 31,5 FK 38,5
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 separate sand sealed rectifier

rectifier outside of the explosion-proof area

insulating rating

H 180°C

protection

IP65

energized duty rating

ED 100%

connection

M16x1,5 terminal box

optional

additional equipment

current consumption

U _n	V-DC	24	210	48	98	110	220
I _n	A	2,80	0,33	1,48	0,72	0,57	0,32

explosion proof

II 2 G Ex mb e II T4
II 2 D Ex tD A21 IP65 T130 °C
PTB 03 ATEX 2056 X

limit switches

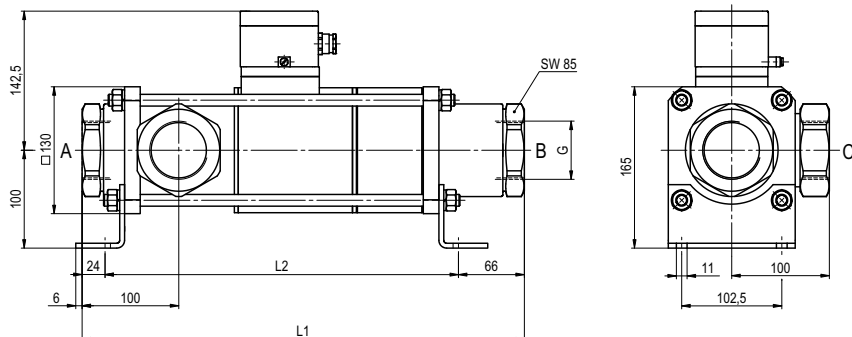
- inductive NAMUR
- circuit amplifier

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

coax® data sheet - coaxial valve

type MK 50 DR Ex
FK 50 DR Ex

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



constructive length	L1	L2	L3
standard	453	363	553
with inductive limit switches	453	363	553
with manual override / inductive limit switches	453	363	553

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	165	125	18

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

