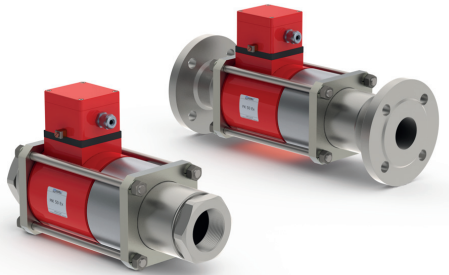


08/2021



⚠ 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
- 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.

2/2-way valve

pressure range

orifice

connection

function

direct acting

PN 0-16 bar

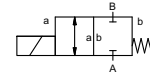
DN 50 mm

thread/flange

valve

normally closed

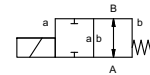
symbol **NC**



valve

normally open

symbol **NO**



design

body materials

pressure balanced, with spring return

- ① brass
- ② steel galvanized
- ③ brass, nickel plated
- 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
NC
0-16

options

special threads
special flanges
NO

function

m³/h 28,2

pressure range

leak rate < 10⁻⁶ mbar•L•s⁻¹

Kv value

vacuum

pressure-vacuum

back pressure

media

P₁ ↔ P₂
P₂ > P₁
gaseous - liquid - highly viscous -
gelatinous - contaminated

abrasive media

damping

opening
closing
available
bi-directional (max. 10 bar)

flow direction

switching cycles

switching time

A ↔ B
1/min 40
ms opening 400
closing 400

media temperature

°C DC: -20 to +40
AC: -20 to +40

ambient temperature

°C DC: -20 to +40
AC: -20 to +40

limit switches

manual override

approvals

mounting

weight

additional equipment

kg MK 25,5 FK 31,0
inductive
available
LR/GL/WAZ
mounting brackets

electrical specifications

U_n DC 24 V +5%/-10%
U_n AC 230 V +5%/-10% 40-60 Hz
DC direct-current magnet
AC direct-current magnet with separate rectifier outside of the explosion-proof area
H 180°C
IP65
ED 100%
M16x1,5 terminal box

options

special voltage upon request
special voltage upon request
sand sealed rectifier

nominal voltage

actuation

insulating rating

protection

energized duty rating

connection

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

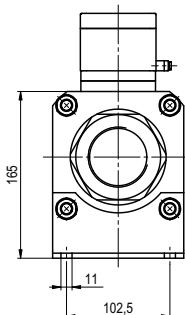
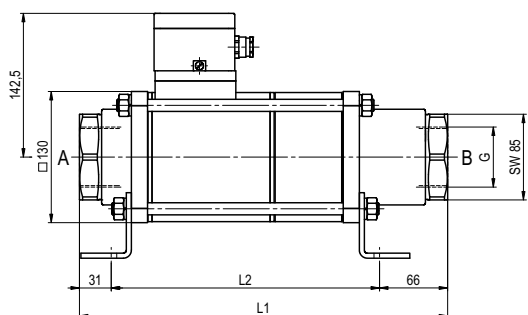
inductive NAMUR circuit amplifier

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

coax® data sheet - coaxial valve

type MK 50 Ex
FK 50 Ex

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	365	268	438
with inductive limit switches	365	268	438
with manual override / inductive limit switches	365	268	438

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

function: **NO**
open when not energized

