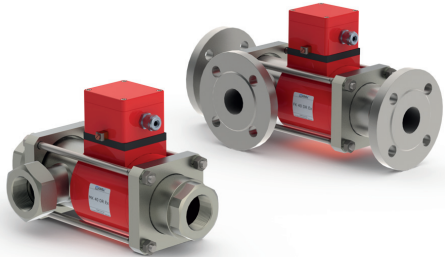


08/2021



! 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

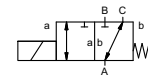
DN 40 mm

thread/flange

valve

normally closed (A ► B)

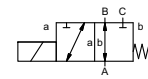
symbol **NC**



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 1 1/2 - G 2

FK flanges PN 16

NC

bar 0-16

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

m³/h 18,4 [A ⇒ B] 11,5 [A ⇒ C]

leak rate

P₁ ⇒ P₂

P₂ > P₁ see pressure range

gaseous - liquid - highly viscous -

gelatinous - contaminated

opening

closing

1/min 90

ms opening 520

closing 150

°C DC: -20 to +40

AC: -20 to +40

°C DC: -20 to +40

AC: -20 to +40

abrasive media

damping

upon request

flow direction

switching cycles

switching time

see pressure range

media temperature

ambient temperature

limit switches

manual override

approvals

mounting

weight

additional equipment

general specifications

options

special threads

special flanges

NO

< 10⁻⁶ mbar•L•s⁻¹

upon request

upon request

inductive

available

LR/GL/WAZ

mounting brackets

upon request

kg MK 18,5 FK 23,0

upon request

special voltage upon request

special voltage upon request

direct-current magnet

direct-current magnet with separate

rectifier outside of the explosion-proof

area

180°C

IP65

ED 100%

M16x1,5 terminal box

electrical specifications

options

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

180°C

IP65

ED 100%

M16x1,5 terminal box

U_n V-DC 24 200

I_n A 2,05 0,29

20 48 98 110 210 220 230

2,72 1,07 0,54 0,48 0,25 0,25 0,21

insulating rating

protection

energized duty rating

connection

optional

additional equipment

current consumption

explosion proof

II 2 G Ex mb e II T4

II 2 D Ex tD A21 IP65 T130 °C

PTB 03 ATEX 2051 X

limit switches

inductive NAMUR

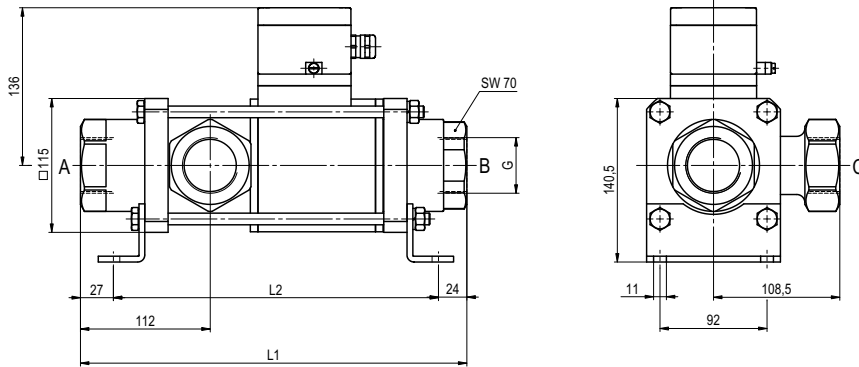
circuit amplifier

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

coax® data sheet - coaxial valve

type MK 40 DR Ex
FK 40 DR Ex

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



constructive length	L1	L2	L3
standard	332	281	394
with inductive limit switches	373	322	435
with manual override / inductive limit switches	373	322	435

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	150	110	18

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

