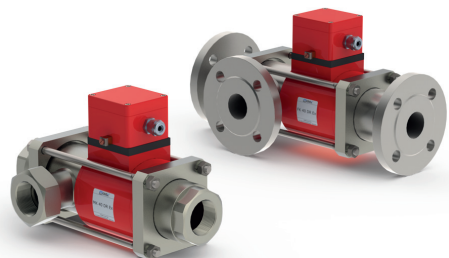


coax® data sheet - coaxial valve

type MK 40 DR Ex
FK 40 DR Ex



12/2024



⚠ 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

operating principle

body material

valve seat

seal materials

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

nominal voltage

actuation

insulating rating

protection

energized duty rating

connection

optional

additional equipment

current draw

explosion proof

limit switches

direct acting

pressure range

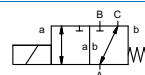
DN 40 mm

thread/flange

valve

normally closed (A ► B)

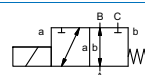
symbol NC



valve

normally open (A ► B)

symbol NO



pressure balanced, with spring return, intersecting switch-over

①

③

④ steel, nickel plated

② steel galvanized

⑤ without non-ferr. Metals

⑥ stainless steel

synthetic materials on metal

NBR

PTFE, FPM, CR, EPDM

general specifications

MK

FK

bar

m³/h

leak rate

P₁ ⇌ P₂

P₂ > P₁

opening

closing

1/min

ms

°C

°C

kg

kg

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options

special threads

special flanges

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electrical specifications

U_n

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DC

AC

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IP65

ED

M16x1,5

terminal box

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- ⊕ II 2G Ex mb e II T4
- ⊕ II 2D Ex tD A21 IP65 T130 °C
- ⊕ II 2G Ex h IIC T4 Gb
- ⊕ II 2D Ex h IIC T130°C Db

inductive NAMUR

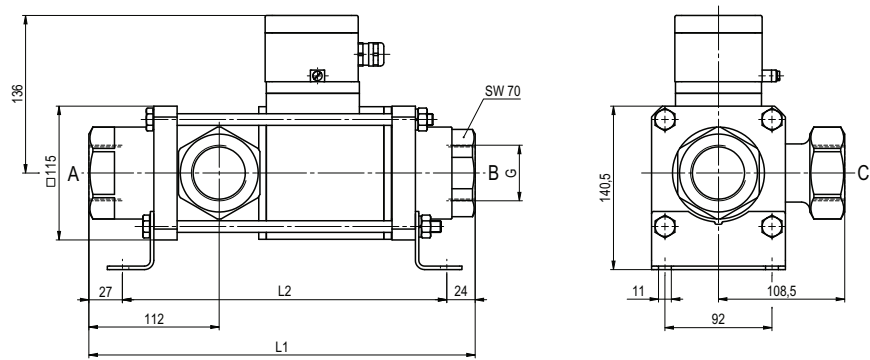
circuit amplifier

■ 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)

