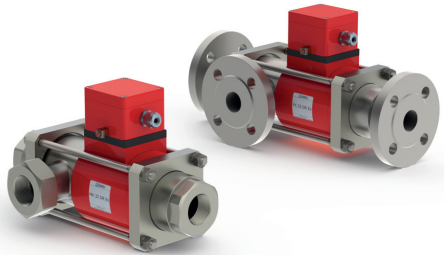


12/2024



**⚠** 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**

**direct acting**

PN 0-40 bar

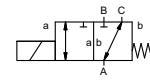
DN 32 mm

thread/flange

valve

normally closed (A ► B)

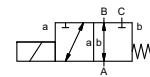
symbol **NC**



valve

normally open (A ► B)

symbol **NO**



**operating principle**

**body material**

pressure balanced, with spring return, intersecting switch-over

①

② steel galvanized

③

⑤ without non-ferr. Metals

④ steel, nickel plated

⑥ stainless steel

**valve seat**

synthetic materials on metal

**seal materials**

NBR

PTFE, FPM, CR, EPDM

**ports**

**general specifications**

**options**

MK threads G 1 1/4 - G 1 1/2

special threads

FK flanges PN 16 / 40

special flanges

NC

NO

bar 0-16 / 0-40

A ⇒ B max. 40 / B ⇒ A max. 16 / A ⇒ C max. 40 / C ⇒ A max. 16

m<sup>3</sup>/h 14,1 [A ⇒ B] 8,9 [A ⇒ C]

leak rate < 10<sup>-6</sup> mbar•L•s<sup>-1</sup>

P<sub>1</sub> ⇔ P<sub>2</sub> upon request

P<sub>2</sub> > P<sub>1</sub> see pressure range  
gaseous - liquid - highly viscous -  
gelatinous - contaminated

upon request

opening

closing

see pressure range

1/min 120

ms opening 440

closing 250

°C DC: -20 to +40 -40 to +40

AC: -20 to +40 -40 to +40

°C DC: -20 to +40 -40 to +40

AC: -20 to +40 -40 to +40

inductive

available

LR/DNV/WAZ

mounting brackets

kg MK 18,0 FK 22,0

upon request

**electrical specifications**

**options**

U<sub>n</sub> DC 24 V +5%/-10%

special voltage upon request

U<sub>n</sub> AC 230 V +5%/-10% 40-60 Hz

special voltage upon request

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

U<sub>n</sub> V-DC 24 200 20 48 98 110 210 220 230

I<sub>n</sub> A 2,05 0,29 2,70 1,07 0,54 0,48 0,25 0,25 0,21

Ⓜ 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 IIIC T130°C Db

inductive NAMUR

circuit amplifier

**insulating rating**

**protection**

**energized duty rating**

**connection**

**optional**

**additional equipment**

**current draw**

**explosion proof**

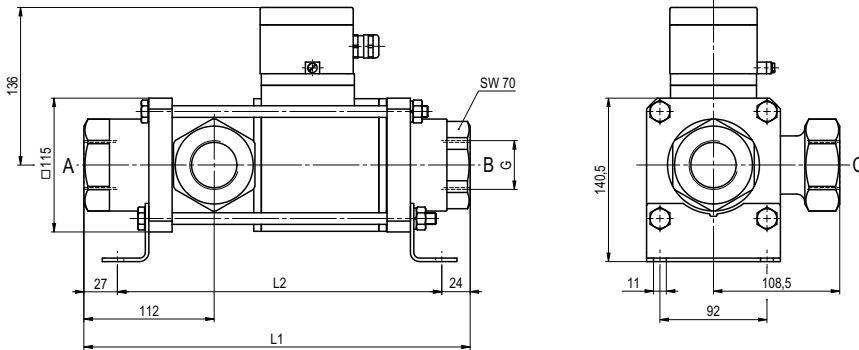
**limit switches**

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

# coax® data sheet - coaxial valve

type MK 32 DR Ex  
FK 32 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	$\varnothing D$	$\varnothing k$	$\varnothing d$
16	EN 1092-1	140	100	18
40	EN 1092-2	140	100	18

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

