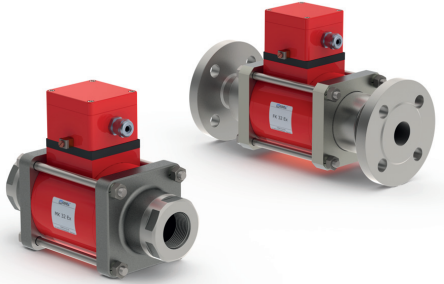


type MK 32 Ex  
FK 32 Ex

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
- 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.

specifications not highlighted are standard  
 specifications highlighted in grey are optional

**2/2-way valve**

**pressure range**

**orifice**

**connection**

**function**

**direct acting**

PN 0-63 bar

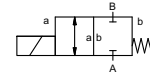
DN 32 mm

thread/flange

valve

normally closed

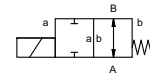
symbol **NC**



valve

normally open

symbol **NO**



**operating principle**

**body material**

pressure balanced, with spring return

① brass

② steel galvanized

③ brass, nickel plated

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 / 100

special flanges

NC

NO

bar 0-16 / 0-40 / 0-63

m<sup>3</sup>/h 14,1

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>

available (max. 16 bar)

gaseous - liquid - highly viscous -  
gelatinous - contaminated

upon request

opening

available

closing

available

A ↔ B as marked

bi-directional (max. 16 bar)

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

**abrasive media damping**

**flow direction**

**switching cycles**

**switching time**

**media temperature**

**ambient temperature**

**limit switches**

**manual override**

**approvals**

**mounting**

**weight**

**additional equipment**

kg MK 13,5 FK 17,5

upon request

**nominal voltage**

**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

**actuation**

**insulating rating**

**protection**

**energized duty rating**

**connection**

**optional**

**additional equipment**

**current draw**

|                |      |      |      |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|------|------|------|
| 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 |

**explosion proof**

- Ⓜ 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

**limit switches**

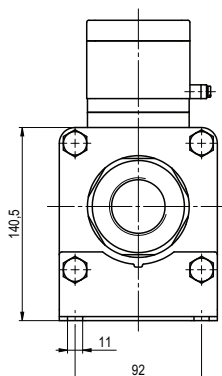
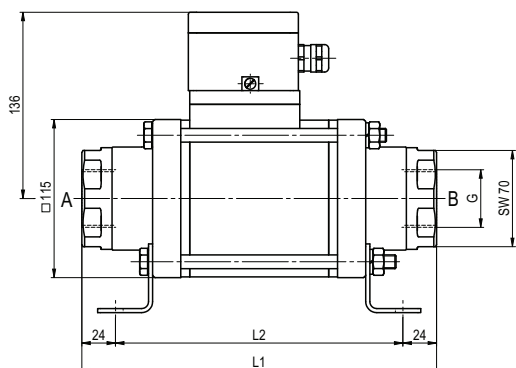
inductive NAMUR

circuit amplifier

# coax® data sheet - coaxial valve

type MK 32 Ex  
FK 32 Ex

function: **NC**  
closed when not energized



| constructive length                             | L1  | L2  | L3  |
|---|-----|-----|-----|
| standard  | 258 | 210 | 324 |
| with inductive limit switches                   | 299 | 251 | 365 |
| with manual override / inductive limit switches | 299 | 251 | 365 |

| flanges PN | DIN       | $\varnothing D$ | $\varnothing k$ | $\varnothing d$ |
|------------|-----------|-----------------|-----------------|-----------------|
| 16         | EN 1092-1 | 140             | 100             | 18              |
| 40         | EN 1092-1 | 140             | 100             | 18              |
| 100        | EN 1092-1 | 155             | 110             | 22              |

function: **NO**  
open when not energized

