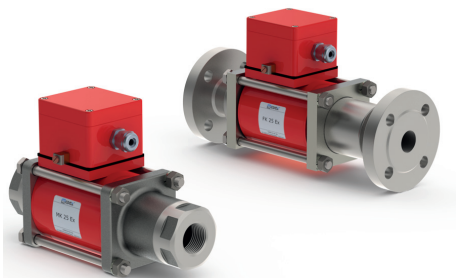


12/2024



⚠ 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.

2/2-way valve

pressure range

orifice

connection

function

direct acting

PN 0-100 bar

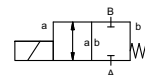
DN 25 mm

thread/flange

valve

normally closed

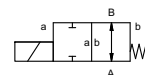
symbol **NC**



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

MK threads G 1 - G 1 1/2

special threads

FK flanges PN 16 / 40 / 100

special flanges

NC

NO

function

bar 0-16 / 0-40 / 0-63 / 0-100

> 100 bar upon request

Kv value

m³/h 13,0

vacuum

leak rate

< 10⁻⁶ mbar•L•s⁻¹

pressure-vacuum

P₁ ↔ P₂

upon request

back pressure

P₂ > P₁

available (max. 16 bar)

media

gaseous - liquid - highly viscous -
gelatinous - contaminated

upon request

abrasive media

opening

upon request

damping

closing

available

flow direction

A ↔ B as marked

bi-directional (max. 16 bar)

switching cycles

1/min 130

switching time

ms opening 130

closing 130

media temperature

°C DC: -20 to +40

-40 to +70

AC: -20 to +40

-40 to +70

ambient temperature

°C DC: -20 to +40

-40 to +70

AC: -20 to +40

-40 to +70

limit switches

inductive

manual override

available

approvals

LR/DNV/WAZ

mounting

mounting brackets

weight

kg MK 8,0 FK 10,5

additional equipment

upon request

nominal voltage

U_n DC 24 V +5%/-10%

special voltage upon request

U_n AC 230 V +5%/-10% 40-60 Hz

special voltage upon request

actuation

DC direct-current magnet

AC direct-current magnet with separate

rectifier outside of the explosion-proof

area

to +40 °C max.

insulating rating

H 180°C

protection

IP65

energized duty rating

ED 100%

connection

M16x1,5 terminal box

optional

additional equipment

current draw

U_n V-DC 24 200

48 98 110 220

I_n A 1,42 0,17

0,73 0,37 0,35 0,16

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

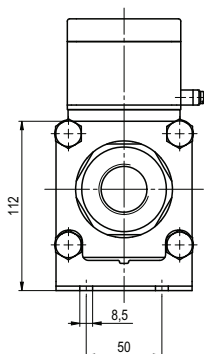
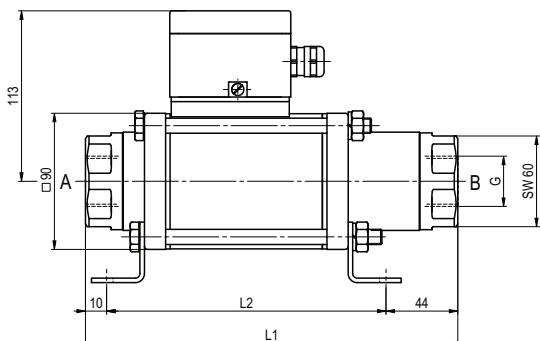
circuit amplifier

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

coax® data sheet - coaxial valve

type MK 25 Ex
FK 25 Ex

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	246	192	302
with inductive limit switches	299	245	355
with manual override / inductive limit switches	299	245	355

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	115	85	14
40	EN 1092-1	115	85	14
100	EN 1092-1	140	100	18

function: **NO**
open when not energized

