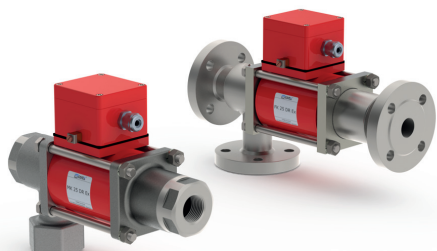


08/2021



! 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 0-40 bar

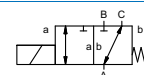
DN 25 mm

thread/flange

valve

normally closed (A ► B)

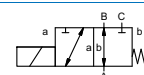
symbol **NC**



valve

normally open (A ► B)

symbol **NO**



design

body materials

pressure balanced, with spring return, intersecting switch-over

- | | |
|------------------------|----------------------------|
| ① brass | ② steel galvanized |
| ③ brass, nickel plated | ⑤ without non-ferr. Metals |
| ④ steel, nickel plated | ⑥ stainless steel |

valve seat

synthetic resin on metal

seal materials

NBR PTFE, FPM, CR, EPDM

ports

general specifications

options

function

MK threads G 1 - G 1 1/2

special threads

pressure range

FK flanges PN 16 / 40

special flanges

NC

NO

Kv value

bar 0-16 / 0-40

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

vacuum

m³/h 11,2

pressure-vacuum

leak rate

< 10⁻⁶ mbar•L•s⁻¹

back pressure

P₁ ⇔ P₂

upon request

media

P₂ > P₁ see pressure range

gaseous - liquid - highly viscous -

gelatinous - contaminated

upon request

abrasive media

opening

closing

see pressure range

flow direction

1/min 130

switching cycles

switching time

ms

opening 130

closing 130

media temperature

°C

DC: -20 to +40

-20 to +70

AC: -20 to +40

-20 to +70

ambient temperature

°C

DC: -20 to +40

-20 to +70

AC: -20 to +40

-20 to +70

limit switches

inductive

manual override

LR/GL/WAZ

approvals

mounting brackets

mounting

weight

kg MK 9,2 FK 12,0

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

sand sealed rectifier 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 consumption

U_n V-DC 24 200 48 98 110 220

I_n A 1,79 0,21 0,95 0,47 0,40 0,19

explosion proof

II 2 G Ex mb e II T4
II 2 D Ex tD A21 IP65 T130 °C
PTB 03 ATEX 2022 X

limit switches

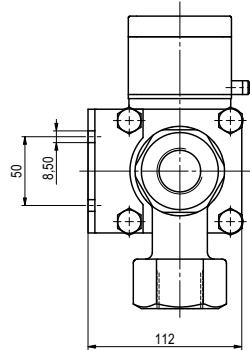
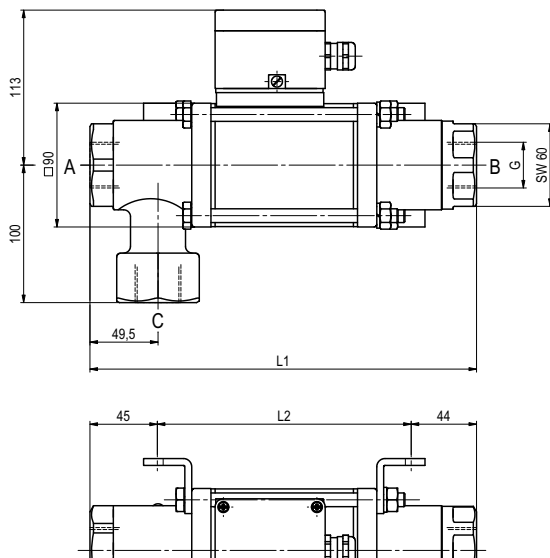
inductive NAMUR circuit amplifier

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

coax® data sheet - coaxial valve

type MK 25 DR Ex
FK 25 DR Ex

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



constructive length	L1	L2	L3
standard	281	192	337
with inductive limit switches	334	245	390

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	115	85	14
40	EN 1092-2	115	85	14

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

