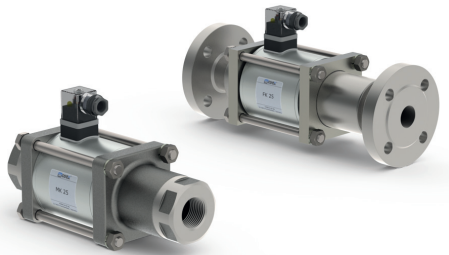


08/2021



⚠ 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
- 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.

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

2/2-way valve

pressure range
orifice
connection
function

design

body materials

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 consumption

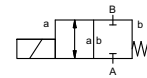
explosion proof

limit switches

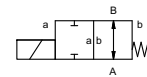
direct acting

PN 0-100 bar
DN 25 mm
thread/flange

valve normally closed
symbol **NC**



valve normally open
symbol **NO**



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 |
| ⑦ aluminium | |

synthetic resin on metal

NBR PTFE, FPM, CR, EPDM

general specifications

MK	threads G 1 - G 1 1/2	special threads
FK	flanges PN 16 / 40 / 100	special flanges
	NC	NO
bar	0-16 / 0-40 / 0-64 / 0-100	> 100 bar upon request

options

m ³ /h	13,0	
leak rate		< 10 ⁻⁶ mbar•L•s ⁻¹
P ₁ ⇄ P ₂		upon request
P ₂ > P ₁		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	130	
ms	opening 130 closing 130	
°C	DC: -20 to +100 AC: -20 to +100	-40 to +160 -40 to +160
°C	DC: -20 to +80 AC: -20 to +80	

inductive / mechanical
available
LR/GL/WAZ
mounting brackets

kg MK 8,0 FK 10,5
upon request

electrical specifications

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
DC	direct-current magnet	
AC	direct-current magnet with integrated rectifier	above 100 °C with separate rectifier

options

H	180°C	
IP65		
ED	100%	
	plug acc. DIN EN 175301-803 form A, 4 positions x90° / wire diameter 6-8 mm	terminal box M16x1,5

M12x1	connector acc. DESINA illuminated plug with varistor	connector acc. VDMA
N-coil	DC 24 V 2,66 A AC 230 V 40-60 Hz 0,36 A	
H-coil		DC 24 V 2,66 A AC 230 V 40-60 Hz 0,36 A

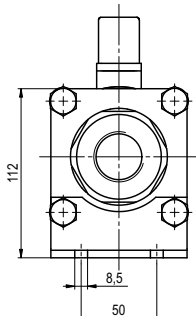
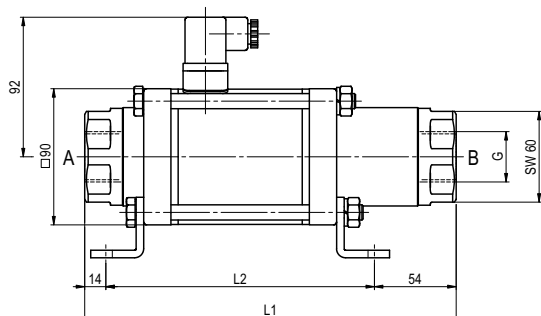
inductive (I)	normally open-PNP
inductive (B)	normally open-PNP
mechanical	single pole double throw-SPDT

coax® data sheet - coaxial valve

type MK 25

FK 25

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	246	178	302
with inductive limit switches	287	219	343
with manual override / inductive limit switches	299	231	355
with mechanical limit switches	287	219	343

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

