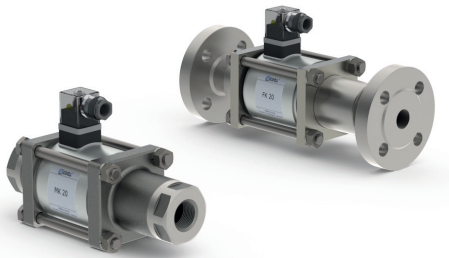


08/2021



⚠ 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

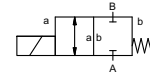
2/2-way valve

pressure range
orifice
connection
function

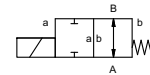
direct acting

PN 0-100 bar
DN 20 mm
thread/flange

valve normally closed
symbol **NC**



valve normally open
symbol **NO**



design

body materials

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 | |

valve seat

synthetic resin on metal

seal materials

NBR PTFE, FPM, CR, EPDM

ports

general specifications

options

function
pressure range

MK threads G 3/4 - G 1 1/4
FK flanges PN 16 / 40 / 100
NC
0-16 / 0-40 / 0-64 / 0-100

special threads
special flanges
NO
> 100 bar upon request

Kv value
vacuum
pressure-vacuum
back pressure
media

m³/h 8,4
leak rate < 10⁻⁶ mbar•L•s⁻¹
P₁ ↔ P₂ upon request
P₂ > P₁ available (max. 16 bar)
gaseous - liquid - highly viscous -
gelatinous - contaminated

abrasive media
damping

opening
closing upon request

flow direction
switching cycles
switching time

A ↔ B as marked
1/min 150
ms opening 110
closing 110

media temperature

°C DC: -20 to +100 -40 to +160
AC: -20 to +100 -40 to +160

ambient temperature

°C DC: -20 to +80
AC: -20 to +80

limit switches
manual override
approvals
mounting

inductive / mechanical
available
LR/GL/WAZ
mounting brackets

weight
additional equipment

kg MK 5,5 FK 7,5
upon request

nominal voltage

electrical specifications

options

actuation

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

insulating rating
protection
energized duty rating
connection

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

optional
additional equipment
current consumption

M12x1 connector acc. DESINA connector acc. VDMA
illuminated plug with varistor
N-coil DC 24 V 1,56 A
AC 230 V 40-60 Hz 0,16 A
H-coil DC 24 V 2,24 A
AC 230 V 40-60 Hz 0,28 A

explosion proof

limit switches

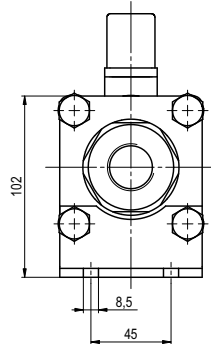
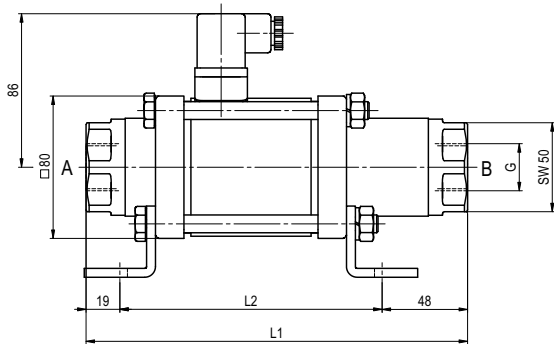
inductive (I) normally open-PNP
inductive (B) normally open-PNP
mechanical single pole double throw-SPDT

coax® data sheet - coaxial valve

type MK 20

FK 20

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	216	148	269
with inductive limit switches	259	192	313
with manual override / inductive limit switches	259	192	313
with mechanical limit switches	259	192	313

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	105	75	14
40	EN 1092-1	105	75	14
100	EN 1092-1	130	90	18

function: **NO**
open when not energized

