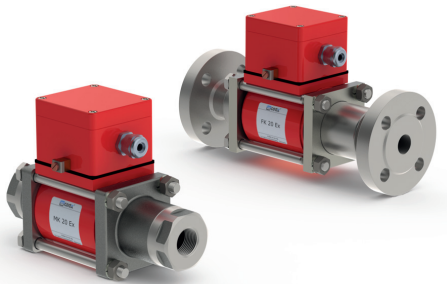


03/2022



⚠ 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 0-100 bar

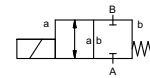
DN 20 mm

thread/flange

valve

normally closed

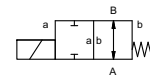
symbol **NC**



valve

normally open

symbol **NO**



operating principle

pressure balanced, with spring return

body material

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

valve seat

synthetic materials on metal

seal materials

NBR PTFE, FPM, CR, EPDM

ports

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

function

NC

pressure range

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

Kv value

m³/h 8,4

vacuum

leak rate < 10⁻⁶ mbar•L•s⁻¹

pressure-vacuum

P₁ ↔ P₂

back pressure

P₂ > P₁

media

gaseous - liquid - highly viscous -
gelatinous - contaminated

abrasive media

damping upon request

flow direction

A ↔ B as marked

switching cycles

1/min 150

switching time

ms opening 110
closing 110

media temperature

°C DC: -20 to +40
AC: -20 to +40

ambient temperature

°C DC: -20 to +40
AC: -20 to +40

limit switches

inductive

manual override

available

approvals

LR/DNV/WAZ

mounting

mounting brackets

weight

kg MK 5,5 FK 7,5

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 sand sealed rectifier

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	1,21	0,14	0,66	0,29	0,24	0,12

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

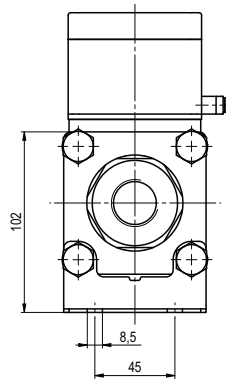
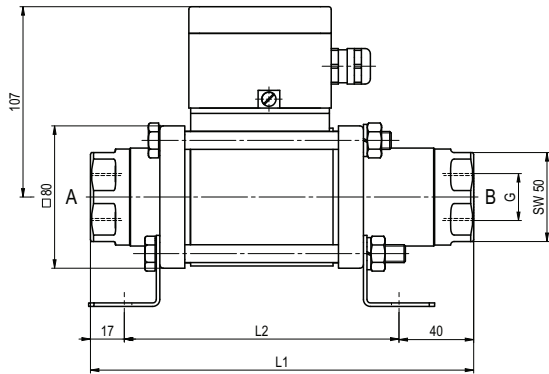
limit switches

inductive NAMUR circuit amplifier

coax® data sheet - coaxial valve

type MK 20 Ex
FK 20 Ex

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	215	158	269
with inductive limit switches	259	202	313
with manual override / inductive limit switches	259	202	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

