

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 0-16 bar

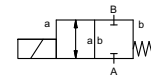
DN 50 mm

thread/flange

valve

normally closed

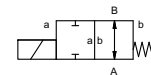
symbol **NC**



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

general specifications

options

MK threads G 2

special threads

FK flanges PN 16

special flanges

bar 0-16

NO

m³/h 38,0

leak rate

< 10⁻⁶ mbar•L•s⁻¹

P₁ ↔ P₂

upon request

P₂ > P₁

available (max. 10 bar)

gaseous - liquid - highly viscous -
gelatinous - contaminated

upon request

opening

available

closing

available

A ↔ B as marked

bi-directional (max. 10 bar)

1/min 40

ms

opening 400

closing 400

°C

DC: -20 to +80

-20 to +120

AC: -20 to +80

-20 to +120

°C

DC: -20 to +80

AC: -20 to +80

inductive

available

LR/DNV/WAZ

mounting brackets

kg

MK 25,5 FK 31,0

upon request

nominal voltage

electrical specifications

options

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

H 180°C

protection

IP65

energized duty rating

ED 100%

connection

plug acc. DIN EN 175301-803 form A, 4 terminal box M16x1,5
positions x90° / wire diameter 6-8 mm

optional

additional equipment

illuminated plug with varistor

current consumption

N-coil DC 24 V 2,55 A
AC 230 V 40-60 Hz 0,29 A

explosion proof

H-coil

DC 24 V 3,29 A

AC 230 V 40-60 Hz 0,43 A

terminal box M16x1,5

Ⓜ II 3G Ex nA IIC T3 Ta -20...+80°C Gc

Ⓜ II 3D Ex tc IIIC T195°C Ta -20...+80°C Dc

Ⓜ II 3G Ex h IIC T3 Gc

Ⓜ II 3D Ex h IIIC T195°C Dc

limit switches

inductive (I)

normally open-PNP

inductive (B)

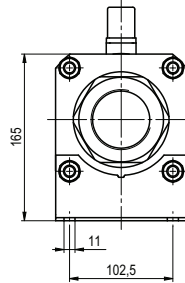
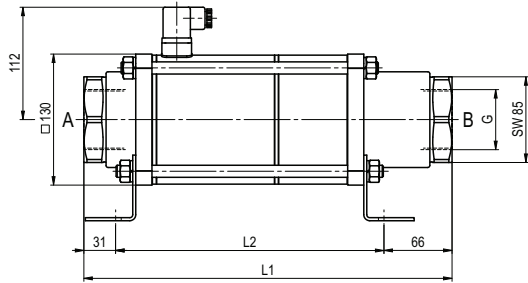
normally open-PNP

coax® data sheet - coaxial valve

type MK 50

FK 50

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	365	268	438
with inductive limit switches	365	268	438
with manual override / inductive limit switches	365	268	438

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	165	125	18

function: **NO**
open when not energized

