

12/2024



⚠ 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.

2/2-way valve

pressure range

orifice

connection

function

direct acting

PN 0-100 bar

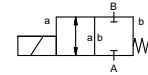
DN 15 mm

thread/flange

valve

normally closed

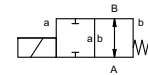
symbol **NC**



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 3/8 - G 3/4

special threads

FK flanges PN 16 / 40 / 100

special flanges

bar NC

NO

0-16 | 0-40 / 0-63 / 0-100

> 100 bar upon request

m³/h 6,0 | 2,5

leak rate

< 10⁻⁶ mbar•L•s⁻¹

P₁ ↔ P₂

upon request

P₂ > P₁

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 200

ms

opening 80

closing 80

°C

DC: -20 to +40

-40 to +40

AC: -20 to +40

-40 to +40

°C

DC: -20 to +40

-40 to +40

AC: -20 to +40

-40 to +40

inductive

available

LR/DNV/WAZ

mounting brackets

kg

MK 3,8 FK 5,0

upon request

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 separate rectifier outside of the explosion-proof area

H 180°C

IP65

ED 100%

M16x1,5 terminal box

U_n V-DC 24 200

48 98 110 220

I_n A 1,13 0,15

0,59 0,30 0,26 0,13

Ⓜ II 2G Ex mb e II T4

II 2G Ex mb 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

insulating rating

protection

energized duty rating

connection

optional

additional equipment

current draw

explosion proof

limit switches

inductive NAMUR

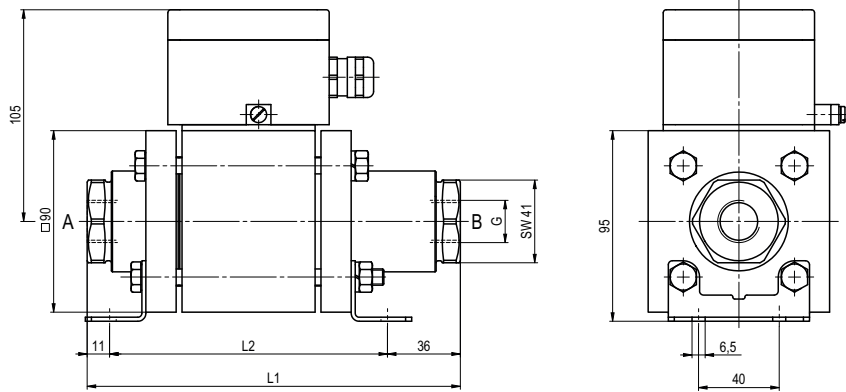
circuit amplifier

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

coax® data sheet - coaxial valve

type MK 15 Ex
FK 15 Ex

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	185	138	242
with inductive limit switches	234	187	291
with manual override / inductive limit switches	234	187	291

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	95	65	14
40	EN 1092-1	95	65	14
100	EN 1092-1	105	75	14

function: **NO**
open when not energized

