

coax® data sheet - coaxial valve

type MK 15 TÜV HT
FK 15 TÜV HT



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 0-40 bar

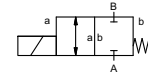
DN 15 mm

thread/flange

valve

normally closed

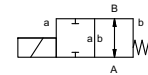
symbol **NC**



valve

normally open

symbol **NO**



operating principle

body material

pressure balanced, with spring return

Ⓢ TÜV (stainless steel)

valve seat

seal materials

synthetic materials on metal

FPM, PTFE

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

general specifications

MK threads G 3/8 - G 3/4

FK flanges PN 40

bar 0-40

m³/h 6,0

leak rate

P₁ ↔ P₂

P₂ > P₁

liquid fuels - fuel oil EL, M, S and oils
not acc. to DIN 51603, e.g. animal fat

opening

closing

A ↔ B as marked

1/min 200

ms

opening 80

closing 80

°C

DC: -10 to +160

AC: -10 to +160

°C

DC: -10 to +60

AC: -10 to +60

options

NO

available (max. 16 bar)

mechanical

TÜV DIN EN ISO 23553-1

mounting brackets

kg MK 3,8 FK 5,0

electrical specifications

U_n DC 24 V +5%/-10%

U_n AC 230 V +5%/-10% 40-60 Hz

DC direct-current magnet

AC direct-current magnet with separate rectifier

H 180°C

IP65

ED 100%

M16x1,5 terminal box

N-coil

H-coil DC 24 V 2,29 A

AC 230 V 40-60 Hz 0,24 A

insulating rating

protection

energized duty rating

connection

optional

additional equipment

current consumption

explosion proof

limit switches

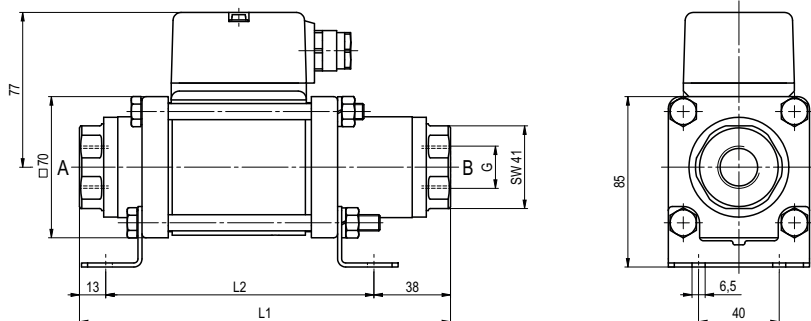
mechanical

single pole double throw-SPDT

coax® data sheet - coaxial valve

type MK 15 TÜV HT
FK 15 TÜV HT

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	184	133	241
with mechanical limit switches	204	153	261

function: **NO**
open when not energized

