

coax® data sheet - coaxial valve

type MK 15
FK 15



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.

2/2-way valve

pressure range

orifice

connection

function

design

body materials

valve seat

seal materials

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

nominal voltage

actuation

insulating rating

protection

energized duty rating

connection

optional

additional equipment

current consumption

explosion proof

limit switches

direct acting

pressure range

DN 15 mm

thread/flange

valve

normally closed

symbol NC

valve

normally open

symbol NO

pressure balanced, with spring return

① brass

③ brass, nickel plated

④ steel, nickel plated

⑤ aluminium

② steel galvanized

⑤ without non-ferr. Metals

④ stainless steel

synthetic resin on metal

NBR

PTFE, FPM, CR, EPDM

general specifications

MK threads G 3/8 - G 3/4

FK flanges PN 16 / 40 / 100

NC

bar 0-16 / 0-40 / 0-64 | 0-100

m³/h 6,0 | 2,5

leak rate

P₁ ⇌ P₂

P₂ > P₁

gaseous - liquid - highly viscous -
gelatinous - contaminated

opening

closing

A ⇌ B as marked

1/min 200

ms

opening 80

closing 80

°C

DC: -20 to +100

AC: -20 to +100

°C

DC: -20 to +80

AC: -20 to +80

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 integrated rectifier

H

180°C

IP65

ED

100%

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

M12x1

connector acc. DESINA

illuminated plug with varistor

N-coil

DC 24 V 1,60 A

AC 230 V 40-60 Hz 0,15 A

H-coil

DC 24 V 2,30 A

AC 230 V 40-60 Hz 0,24 A

inductive (I)

inductive (B)

mechanical

options

special threads

special flanges

NO

> 100 bar upon request

< 10⁻⁶ mbar•L•s⁻¹

upon request

available (max. 16 bar)

upon request

available

bi-directional (max. 16 bar)

-40 to +160

-40 to +160

inductive / mechanical

available

LR/GL/WAZ

mounting brackets

upon request

options

special voltage upon request

special voltage upon request

above 100 °C with separate rectifier

terminal box M16x1,5

connector acc. VDMA

DC 24 V 2,30 A

AC 230 V 40-60 Hz 0,24 A

normally open-PNP

normally open-PNP

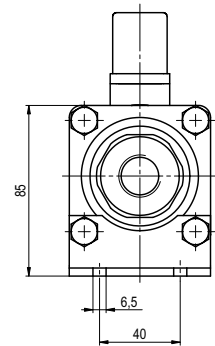
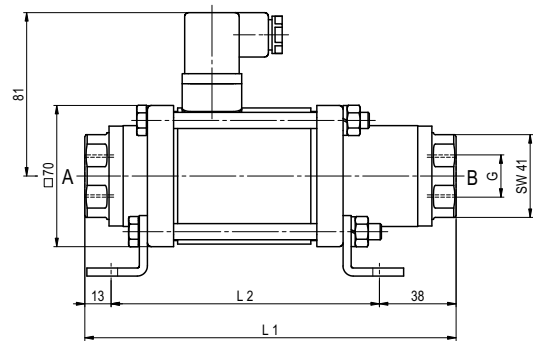
single pole double throw-SPDT

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

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function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	184	133	241
with inductive limit switches	224	173	281
with manual override / inductive limit switches	224	173	281
with mechanical limit switches	224	173	281

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

