

08/2022



⚠ 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 0-63 bar (NO: 0-40 bar)

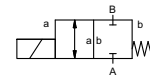
DN 40 mm

thread/flange

valve

normally closed

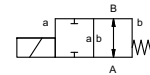
symbol **NC**



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 1 1/2 - G 2
FK flanges PN 16 / 40 / 100

special threads

NC

special flanges

pressure range 0-16 / 0-40 / 0-63

NO

0-16 / 0-40

m³/h 21.8

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 90

ms

opening 520

closing 150

°C

DC: -20 to +100

-40 to +160

AC: -20 to +100

-40 to +160

°C

DC: -20 to +80

AC: -20 to +80

abrasive media damping

flow direction

switching cycles

switching time

media temperature

ambient temperature

limit switches

manual override

approvals

mounting

weight

additional equipment

inductive / mechanical

available

LR/DNV/WAZ

mounting brackets

kg MK 14.0 FK 18.0

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

H

180°C

IP65

ED

100%

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

insulating rating

protection

energized duty rating

connection

optional

additional equipment

current consumption

illuminated plug with varistor

N-coil DC 24 V 2.07 A

AC 230 V 40-60 Hz 0.28 A

H-coil

DC 24 V 3.24 A

AC 230 V 40-60 Hz 0.44 A

terminal box M16x1,5

Ⓜ II 3G Ex ec 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

inductive (I)

normally open-PNP

inductive (B)

normally open-PNP

mechanical

single pole double throw-SPDT

explosion proof

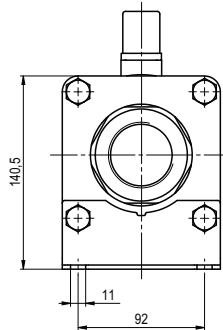
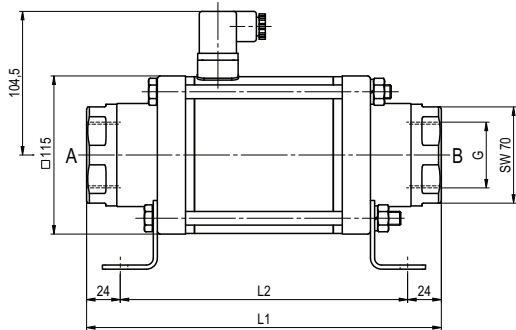
limit switches

coax® data sheet - coaxial valve

type MK 40

FK 40

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	258	210	324
with inductive limit switches	299	251	365
with manual override / inductive limit switches	299	251	365
with mechanical limit switches	299	251	365

flanges PN	DIN	$\varnothing D$	$\varnothing k$	$\varnothing d$
16	EN 1092-1	150	110	18
40	EN 1092-1	150	110	18
100	EN 1092-1	170	125	22

function: **NO**
open when not energized

