

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
- inlet pressure at A, B or C
- 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.

3/2 way valve

pressure range

orifice

connection

function

direct acting

PN 0-16 bar

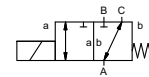
DN 40 mm

thread/flange

valve

normally closed (A ► B)

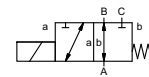
symbol **NC**



valve

normally open (A ► B)

symbol **NO**



design

body materials

pressure balanced, with spring return, intersecting switch-over

- ①
- ② steel galvanized
- ③
- ④ steel, nickel plated
- ⑤ without non-ferr. Metals
- ⑥ stainless steel

valve seat

synthetic resin on metal

seal materials

NBR PTFE, FPM, CR, EPDM

ports

general specifications

options

function
pressure range

MK threads G 1 1/2 - G 2
FK flanges PN 16
NC
0-16
A ⇒ B max. 16 / B ⇒ A max. 16 / A ⇒ C max. 16 / C ⇒ A max. 16

special threads
special flanges
NO

Kv value

m³/h 18,4 [A ⇒ B] 11,5 [A ⇒ C]

vacuum

leak rate < 10⁻⁶ mbar•L•s⁻¹

pressure-vacuum

P₁ ⇔ P₂ upon request

back pressure

P₂ > P₁ see pressure range

media

gaseous - liquid - highly viscous -
gelatinous - contaminated

upon request

abrasive media
damping

opening
closing

see pressure range

flow direction
switching cycles
switching time

1/min 90
ms opening 520
closing 150

media temperature

°C DC: -20 to +100 -40 to +160
AC: -20 to +100 -40 to +160

ambient temperature

°C DC: -20 to +80
AC: -20 to +80

limit switches
manual override

inductive / mechanical
available

approvals

LR/GL/WAZ

mounting

mounting brackets

weight

kg MK 18,5 FK 23,0

additional equipment

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

illuminated plug with varistor

additional equipment
current consumption

N-coil DC 24 V 2,07 A
AC 230 V 40-60 Hz 0,28 A

H-coil DC 24 V 3,27 A
AC 230 V 40-60 Hz 0,44 A

explosion proof

limit switches

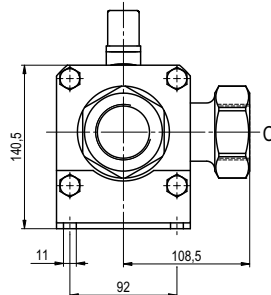
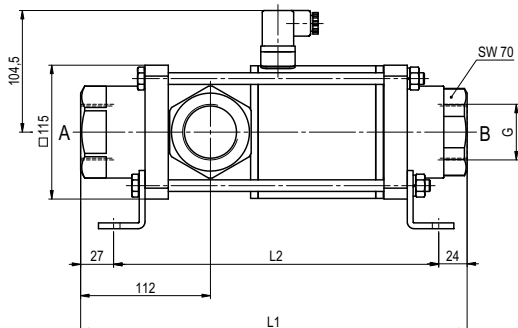
inductive (I) normally open-PNP
inductive (B) normally open-PNP
mechanical single pole double throw-SPDT

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

coax® data sheet - coaxial valve

type MK 40 DR
FK 40 DR

function: **NC**
closed when not energized (A ► B)



constructive length	L1	L2	L3
standard	332	281	394
with inductive limit switches	373	322	435
with manual override / inductive limit switches	373	322	435
with mechanical limit switches	373	322	435

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	150	110	18

function: **NO**
open when not energized (A ► B)

