

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.

specifications not highlighted are standard
 specifications highlighted in grey are optional

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

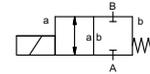
explosion proof

limit switches

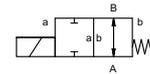
direct acting

PN 0-100 bar
DN 32 mm
thread/flange

valve normally closed
symbol **NC**



valve normally open
symbol **NO**



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 |

synthetic resin on metal

NBR PTFE, FPM, CR, EPDM

general specifications

MK threads G 1 1/4 - G 1 1/2
FK flanges PN 16 / 40 / 100
NC
0-16 / 0-40 / 0-64 / 0-100

options

special threads
special flanges
NO

m³/h 17,4
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 closing available
A ↔ B as marked bi-directional (max. 16 bar)
1/min 120
ms opening 440
closing 250
°C DC: -20 to +100 -40 to +160
AC: -20 to +100 -40 to +160
°C DC: -20 to +80
AC: -20 to +80

kg MK 13,5 FK 17,5

electrical specifications

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

options

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

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 3,27 A
AC 230 V 40-60 Hz 0,44 A

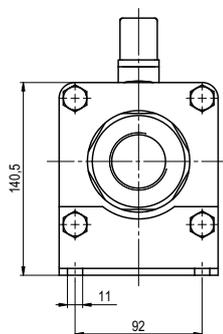
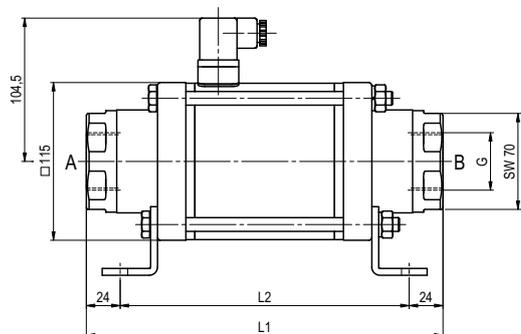
inductive (I)	normally open-PNP
inductive (B)	normally open-PNP
mechanical	single pole double throw-SPDT

coax® data sheet - coaxial valve

type MK 32

FK 32

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	ØD	Øk	Ød
16	EN 1092-1	140	100	18
40	EN 1092-1	140	100	18
100	EN 1092-1	155	110	22

function: **NO**
open when not energized

