

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

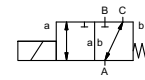
DN 80 mm

flange

valve

normally closed (A ► B)

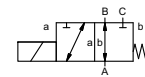
symbol **NC**



valve

normally open (A ► B)

symbol **NO**



design

body materials

pressure balanced, with spring return, intersecting switch-over

- ① aluminium
- ② steel galvanized
- ③
- ⑤
- ④ steel, nickel plated
- ⑥ stainless steel

valve seat

synthetic resin on metal

seal materials

NBR PTFE, FPM, EPDM

ports

FK flanges PN 16

options

special flanges

function

NC

NO

pressure range

0-16

A ⇒ B max. 16 / B ⇒ A max. 5 / A ⇒ C max. 16 / C ⇒ A max. 16

Kv value

m³/h 55,0

vacuum

leak rate

< 10⁻⁴ mbar•L•s⁻¹

pressure-vacuum

P₁ ⇔ P₂

upon request

back pressure

P₂ > P₁ see pressure range

gaseous - liquid - highly viscous -
gelatinous - contaminated

upon request

media

abrasive media

damping

opening

closing

see pressure range

flow direction

switching cycles

switching time

1/min

ms

opening 600

closing 800

°C

DC: -20 to +80

AC: -20 to +80

DC: -20 to +80

AC: -20 to +80

inductive

LR/GL/WAZ

media temperature

ambient temperature

limit switches

manual override

approvals

mounting

weight

additional equipment

kg

FK 48,8

upon request

electrical specifications

options

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

special voltage upon request

special voltage upon request

nominal voltage

actuation

insulating rating

protection

energized duty rating

connection

H

IP65

ED

100% plug acc. DIN EN 175301-803 form A, 4 terminal box M16x1,5 positions x90° / wire diameter 6-8 mm

optional

additional equipment

current consumption

illuminated plug with varistor

N-coil DC 24 V 4,40 A

AC 230 V 40-60 Hz 0,65 A

H-coil

AC 230 V 40-60 Hz 0,79 A

explosion proof

limit switches

inductive (I)

inductive (B)

normally open-PNP

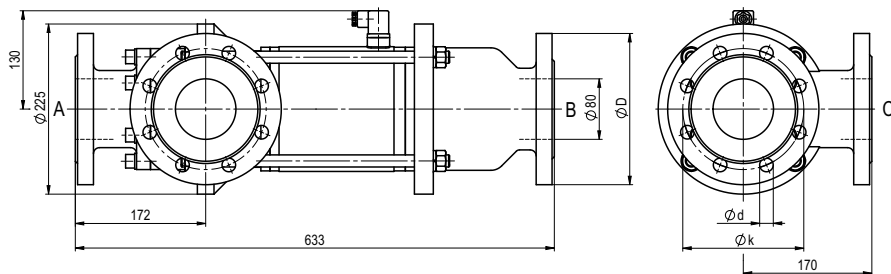
normally open-PNP

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

coax® data sheet - coaxial valve

type FK 80 DR

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



flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	200	160	18

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

