

03/2022



⚠ 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.

2/2-way valve

pressure range

orifice

connection

function

direct acting

PN 0-16 bar

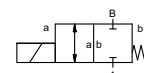
DN 65 mm

flange

valve

normally closed

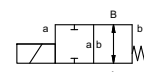
symbol **NC**



valve

normally open

symbol **NO**



operating principle

body material

pressure balanced, with spring return

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

valve seat

synthetic materials on metal

seal materials

NBR PTFE, FPM, EPDM

ports

FK flanges PN 16

options

special flanges

function

NC

NO

pressure range

0-16

> 16 bar upon request

Kv value

m³/h 62,0

vacuum

leak rate

< 10⁻⁴ mbar•L•s⁻¹

pressure-vacuum

P₁ ↔ P₂

upon request

back pressure

P₂ > P₁

available (max. 5 bar)

media

gaseous - liquid - highly viscous - gelatinous - contaminated

upon request

abrasive media

opening

upon request

damping

closing

upon request

flow direction

A ↔ B as marked

bi-directional (max. 5 bar)

switching cycles

1/min 20

switching time

ms opening 600 closing 800

media temperature

°C DC: -20 to +80

AC: -20 to +80

ambient temperature

°C DC: -20 to +80

AC: -20 to +80

limit switches

inductive

manual override

LR/DNV/WAZ

approvals

mounting

weight

kg FK 35,0

additional equipment

upon request

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

nominal voltage

actuation

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

additional equipment

illuminated plug with varistor

current consumption

N-coil DC 24 V 4,36 A AC 230 V 40-60 Hz 0,63 A

explosion proof

- AC 230 V 40-60 Hz 0,76 A terminal box M16x1,5
- Ⓜ II 3G Ex nA 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

limit switches

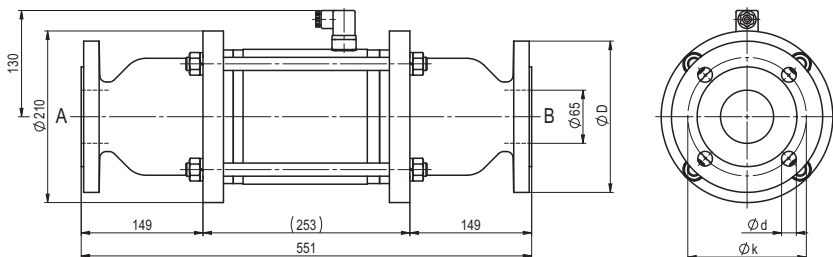
- inductive (I) normally open-PNP
- inductive (B) normally open-PNP

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

coax® data sheet - coaxial valve

type FK 65

function: **NC**
closed when not energized



flanges PN	DIN	$\varnothing D$	$\varnothing k$	$\varnothing d$
16	EN 1092-1	185	145	18

function: **NO**
open when not energized

