

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
- 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. 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

3/2 way valve

pressure range

orifice

connection

function

direct acting

PN 0-16 bar

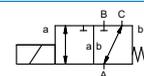
DN 65 mm

flange

valve

normally closed (A ► B)

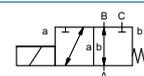
symbol **NC**



valve

normally open (A ► B)

symbol **NO**



operating principle

body material

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 materials 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 40.0

vacuum

leak rate < 10⁻⁴ 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

opening

damping

closing

see pressure range

flow direction

1/min 20

switching cycles

ms opening 600

switching time

closing 800

media temperature

°C DC: -20 to +80

ambient temperature

°C AC: -20 to +80

DC: -20 to +80

AC: -20 to +80

limit switches

inductive

manual override

LR/DNV/WAZ

approvals

mounting

weight

kg FK 47.6

additional equipment

upon request

nominal voltage

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

actuation

DC direct-current magnet

AC direct-current magnet with integrated 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

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

H-coil

AC 230 V 40-60 Hz 0.76 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

explosion proof

inductive (I)

normally open-PNP

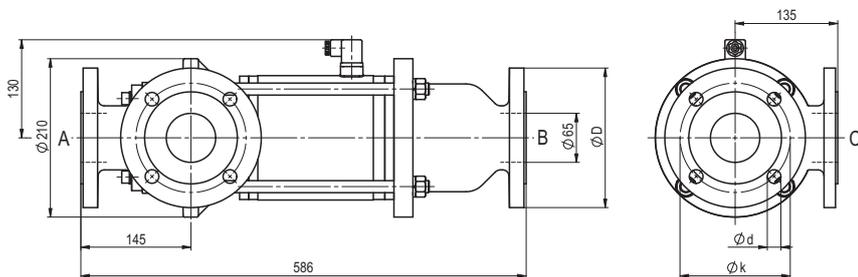
inductive (B)

normally open-PNP

coax® data sheet - coaxial valve

type FK 65 DR

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



flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	185	145	18

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

