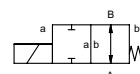
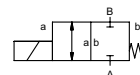


# coaxial valve

## type FK 65



**2/2 way valve** direct acting  
**pressure range** PN 0-16 bar  
**orifice** DN 65 mm  
**connection** flange  
**function** valve normally closed  
 symbol **NC**  
 valve normally open  
 symbol **NO**



**⚠** Above stated body materials refer to the valve port connections that get in contact with the media only!

**design** pressure balanced, with spring return  
**body materials** 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

**details needed**

- orifice
- port
- function NC/NO
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

	general specifications	options
<b>ports</b>	FK flanges PN 16	special flanges
<b>function</b>	NC	NO
<b>pressure range</b>	bar 0-16	> 16 bar upon request
<b>Kv value</b>	m <sup>3</sup> /h 45,0	
<b>vacuum</b>	leak rate	< 10 <sup>-4</sup> mbar·l·s <sup>-1</sup>
<b>pressure-vacuum</b>	P <sub>1</sub> ⇄ P <sub>2</sub>	upon request
<b>back pressure</b>	P <sub>2</sub> > P <sub>1</sub>	available (max. 5 bar)
<b>media</b>	gaseous - liquid - highly viscous - gelatinous - contaminated	
<b>abrasive media</b>		upon request
<b>damping</b>	opening	
	closing	upon request
<b>flow direction</b>	A ⇄ B as marked	bi-directional (max. 5 bar)
<b>switching cycles</b>	1/min 20	
<b>switching time</b>	ms opening 600 closing 800	
<b>media temperature</b>	°C DC: -20 to +80	
	AC: -20 to +80	
<b>ambient temperature</b>	°C DC: -20 to +80	
	AC: -20 to +80	
<b>limit switches</b>		inductive
<b>manual override</b>		
<b>approvals</b>		LR/GL/WAZ
<b>mounting</b>		
<b>weight</b>	kg FK 35,0	
<b>additional equipment</b>		upon request

	electrical specifications	options
<b>nominal voltage</b>	U <sub>n</sub> DC 24 V	special voltage upon request
	U <sub>n</sub> AC 230 V 40-60 Hz	special voltage upon request
<b>actuation</b>	DC direct-current magnet	
	AC direct-current magnet with integrated rectifier	
<b>insulating rating</b>	H 180°C	
<b>protection</b>	IP65	
<b>energized duty rating</b>	ED 100%	
<b>connection</b>	plug acc. DIN EN 175301-803 form A, 4 positions x90° / wire diameter 6-8 mm	terminal box M16x1,5
<b>optional additional equipment</b>	illuminated plug with varistor	
<b>current consumption</b>	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
<b>explosion proof</b>		
<b>limit switches</b>	inductive (I)	normally open-PNP
	inductive (B)	normally open-PNP

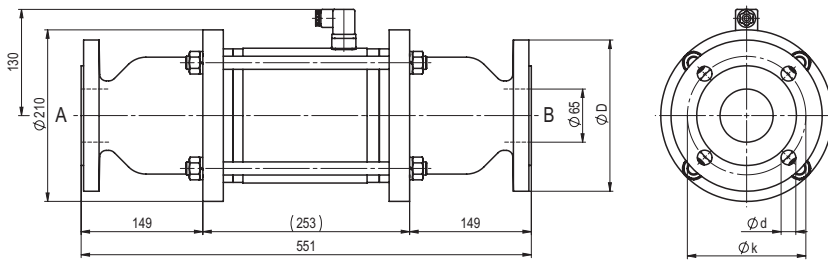
**⚠** The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

**⚠** 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

# type **FK 65**

function: **NC**  
closed when not energized



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

# type **FK 65**

function: **NO**  
open when not energized

