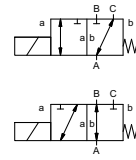


# coaxial valve

## type FK 65 DR



**3/2 way valve** **direct acting**  
**pressure range** PN 0-16 bar  
**orifice** DN 65 mm  
**connection** flange  
**function** valve normally closed (A ► B) symbol **NC**  
 valve normally open (A ► B) 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, intersecting switch-over  
**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
- inlet pressure at A, B or C
- 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 A ⇒ B max.16 / B ⇒ A max. 5 / A ⇒ C max.16 / C ⇒ A max.16	
<b>Kv value</b>	m³/h 40,0	
<b>vacuum</b>	leak rate < 10 <sup>-4</sup> mbar·l·s <sup>-1</sup>	upon request
<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> see pressure range	
<b>media</b>	gaseous - liquid - highly viscous - gelatinous - contaminated	upon request
<b>abrasive media</b>		upon request
<b>damping</b>	opening closing	
<b>flow direction</b>	see pressure range	
<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 47,6	
<b>additional equipment</b>		upon request

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.

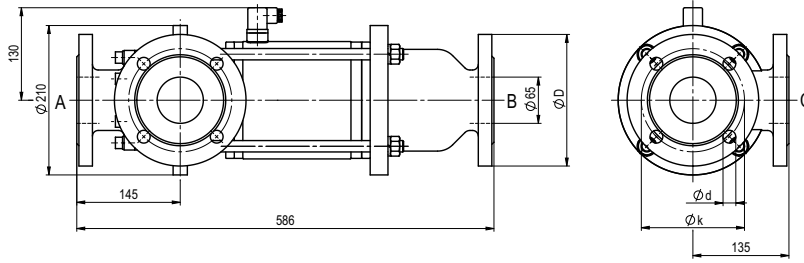
If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

	electrical specifications	options
<b>nominal voltage</b>	U <sub>n</sub> 24 V DC 230 V 40-60 Hz AC	special voltage upon request
<b>actuation</b>	DC direct-current magnet AC direct-current magnet with integrated rectifier	special voltage upon request
<b>insulation 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 x 90° / wire diameter 6-8 mm	terminal box M16x1,5
<b>optional additional equipment</b>	illuminated plug with varistor	
<b>current consumption</b>	N-coil 24 V DC 4,40 A 230 V 40-60 Hz AC 0,65 A	
<b>H-coil</b>		230 V 40-60 Hz AC 0,79 A
<b>explosion proof</b>		
<b>limit switches</b>	inductive (I) normally open-PNP inductive (B) normally open-PNP	

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

# type **FK 65 DR**

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



flanges PN	DIN	$\varnothing D$	$\varnothing k$	$\varnothing d$
16	2633	185	145	18

# type **FK 65 DR**

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

