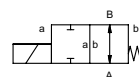
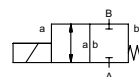


coaxial valve

type FK 80



2/2 way valve direct acting
pressure range PN 0-16 bar
orifice DN 80 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 without non-ferr. metals
 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
ports	FK flanges PN 16	special flanges
function	NC	NO
pressure range	bar 0-16	> 16 bar upon request
Kv value	m³/h 70,0	
vacuum	leak rate	< 10 ⁻⁴ mbar·l·s ⁻¹
pressure-vacuum	P ₁ ⇌ P ₂	upon request
back pressure	P ₂ > P ₁	available (max. 5 bar)
media	gaseous - liquid - highly viscous - gelatinous - contaminated	
abrasive media		upon request
damping	opening	
	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		
approvals		LR/GL/WAZ
mounting		
weight	kg FK 38,0	
additional equipment		upon request

	electrical specifications	options
nominal voltage	U _n DC 24 V AC 230 V 40-60 Hz	special voltage upon request
actuation	DC direct-current magnet AC direct-current magnet with integrated rectifier	special voltage upon request
insulating rating	H 180°C	
protection	IP65	
energized duty rating	ED 100%	
connection	plug acc. DIN EN 175301-803 form A, 4 positions x90° / wire diameter 6-8 mm	terminal box M16x1,5
optional		
additional equipment	illuminated plug with varistor	
current consumption	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

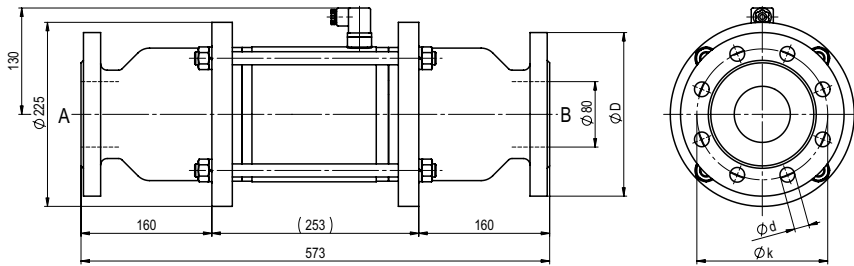
⚠ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

⚠ 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 80**

function: **NC**
closed when not energized



flanges PN	DIN	$\varnothing D$	$\varnothing k$	$\varnothing d$
16	EN 1092-1	200	160	18

type **FK 80**

function: **NO**
open when not energized

