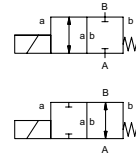


coaxial valve

type **MK 50**
FK 50



2/2 way valve **direct acting**
pressure range PN 0-16 bar
orifice DN 50 mm
connection thread/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 brass ② steel, galvanized
 ③ brass, nickel plated ⑤ without non-ferr. metals
 ④ steel, nickel plated ⑥ stainless steel
valve seat synthetic resin on metal
seal materials NBR PTFE, FPM, CR, EPDM

details needed

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

ports		general specifications		options
MK	threads G 2			special threads
FK	flanges PN 16			special flanges
function	NC			NO
pressure range	bar 0-16			
Kv value	m ³ /h 28,2			
vacuum	leak rate			< 10 ⁻⁶ mbar·l·s ⁻¹
pressure-vacuum	P ₁ ↔ P ₂			upon request
back pressure	P ₂ > P ₁			available (max. 10 bar)
media	gaseous - liquid - highly viscous - gelatinous - contaminated			
abrasive media				upon request
damping	opening closing			available
flow direction	A ↔ B as marked			bi-directional (max. 10 bar)
switching cycles	1/min 40			
switching time	ms opening 400 closing 400			
media temperature	°C DC: -20 to +80			-20 to +120
	AC: -20 to +80			-20 to +120
ambient temperature	°C DC: -20 to +80			
	AC: -20 to +80			
limit switches				inductive
manual override				available
approvals				LR/GL/WAZ
mounting				mounting brackets
weight	kg MK 25,5 FK 31,0			
additional equipment				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.

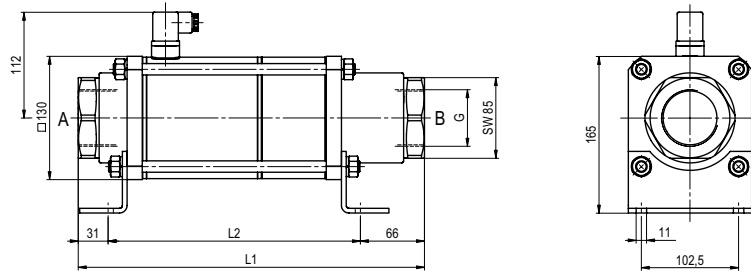
⚠ If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

nominal voltage		electrical specifications		options
U _n	24 V DC			special voltage upon request
U _n	230 V 40-60 Hz AC			special voltage upon request
actuation	DC direct-current magnet			
	AC direct-current magnet with integrated rectifier			above 100°C with separate rectifier
insulation rating	H 180°C			
protection	IP65			
energized duty rating	ED 100%			
connection	plug acc. DIN EN 175301-803 form A, 4 positions x 90° / wire diameter 6-8 mm			terminal box M16x1,5
optional additional equipment	illuminated plug with varistor			
current consumption	N-coil 24 V DC 2,80 A			
	230 V 40-60 Hz AC 0,33 A			
	H-coil 24 V DC 3,30 A			
	230 V 40-60 Hz AC 0,43 A			
explosion proof				
limit switches	inductive (I)			normally open-PNP
	inductive (B)			normally open-PNP

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

type MK 50

function: **NC**
closed when not energized

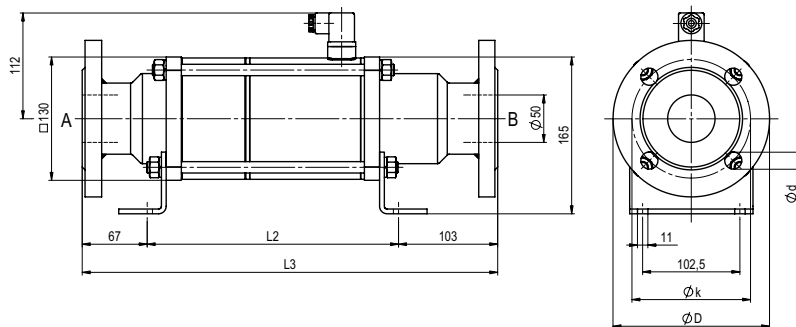


constructive length	L ₁	L ₂	L ₃
standard	365	268	438
with 1/2 inductive limit switches	365	268	438
with manual emergency (Hd)/ Hd and 1/2 ind. limit switches	365	268	438

flanges PN	DIN	øD	øk	ød
16	2633	165	125	18

type FK 50

function: **NO**
open when not energized



The application-specific layout relating to temperature, pressure conditions, switching behavior, media and its consistency may restrict the range of use or necessitate relevant modifications to materials used and seal arrangements.

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