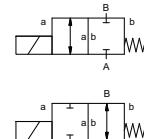


coaxial valve

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 ③ brass, nickel plated ④ steel, nickel plated ② steel, galvanized ⑤ without non-ferr. metals 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

general specifications

ports	MK threads G 2	options
FK	flanges PN 16	special threads
	NC	special flanges
function	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 damping	upon request	
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	MK 25,5 FK 31,0	
additional equipment	upon request	

electrical specifications

nominal voltage	U _n DC 24 V	options
	U _n AC 230 V 40-60 Hz	special voltage upon request
actuation	DC direct-current magnet	special voltage upon request
	AC direct-current magnet with integrated rectifier	above 100 °C with separate rectifier
insulating rating	H 180°C	
protection	IP65	
energized duty rating	ED 100%	
connection	plug acc. DIN EN 175301-803	terminal box M16x1,5
	form A, 4 positions x90° /	
	wire diameter 6-8 mm	
optional		
additional equipment		
current consumption	illuminated plug with varistor	
	N-coil DC 24 V 2,80 A	
	AC 230 V 40-60 Hz 0,33 A	
	H-coil DC 24 V 3,30 A	
	AC 230 V 40-60 Hz 0,43 A	
explosion proof		
limit switches	inductive (I)	normally open-PNP
	inductive (B)	normally open-PNP

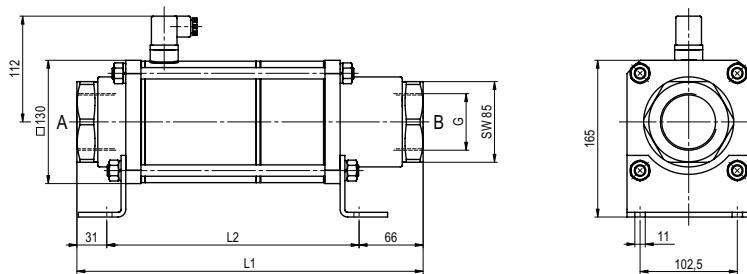
 The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

 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 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	EN 1092-1	165	125	18

type FK 50

function: **NO**
open when not energized

