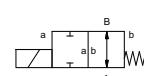
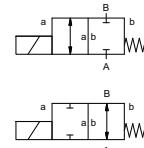


coaxial valve

type **MK 40**
FK 40

2/2 way valve	direct acting
pressure range	PN 0-64 bar (NO: 0-40 bar)
orifice	DN 40 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

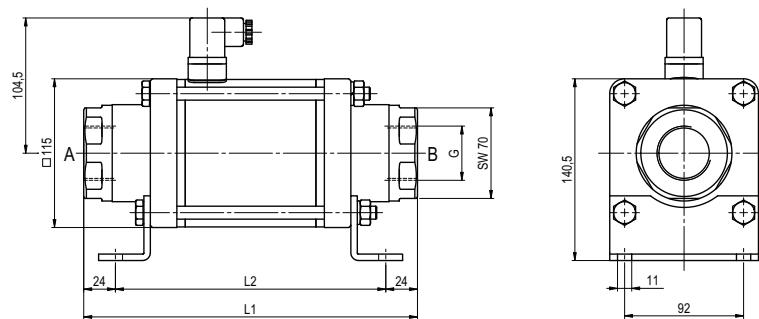
general specifications		options
ports	MK threads G 1 1/2 - G 2	special threads
	FK flanges PN 16 / 40 / 100	special flanges
function	NC	NO
pressure range	bar 0-16 / 0-40 / 0-64	0-16 / 0-40
Kv value	m ³ /h 18,4	
vacuum	leak rate < 10 ⁻⁶ mbar·l·s ⁻¹	
pressure-vacuum	P ₁ ↔ P ₂ upon request	
back pressure	P ₂ > P ₁ available (max. 16 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. 16 bar)
switching cycles	1/min 90	
switching time	ms opening 520 closing 150	
media temperature	°C DC: -20 to +100	40 to +160
	AC: -20 to +100	-40 to +160
ambient temperature	°C DC: -20 to +80	
	AC: -20 to +80	
limit switches	inductive / mech. (depend. on temperature)	
manual override	available	
approvals	LR/GL/WAZ	
mounting	mounting brackets	
weight	MK 14,0 FK 18,0	upon request
additional equipment		

electrical specifications		options
nominal voltage	U _n DC 24 V	special voltage upon request
	U _n AC 230 V 40-60 Hz	special voltage upon request
actuation	DC direct-current magnet	
	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 2,07 A	
	AC 230 V 40-60 Hz 0,28 A	
H-coil	DC 24 V 3,27 A	
	AC 230 V 40-60 Hz 0,44 A	
explosion proof		
limit switches	inductive (I)	normally open-PNP
	inductive (B)	normally open-PNP
	mechanical	single pole double throw-SPDT

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

type MK 40

function: **NC**
closed when not energized



constructive length	L ₁	L ₂	L ₃
standard	258	210	324
with 1/2 inductive limit switches	299	251	365
with manual emergency (Hd)/ Hd and 1/2 ind. limit switches	299	251	365
with mechanical limit switches	299	251	365

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	150	110	18
40	EN 1092-1	150	110	18
100	EN 1092-1	170	125	22

type FK 40

function: **NO**
open when not energized

