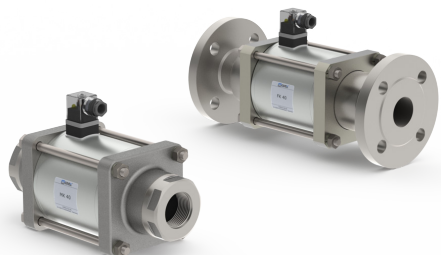
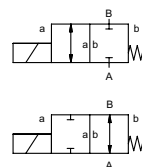


# coaxial valve

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 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

	general specifications	options
<b>ports</b>	MK threads G 1 1/2 - G 2 FK flanges PN 16 / 40 / 100	special threads special flanges
<b>function</b>	NC	NO
<b>pressure range</b>	bar 0-16 / 0-40 / 0-64	0-16 / 0-40
<b>Kv value</b>	m³/h 18,4	
<b>vacuum</b>	leak rate	< 10 <sup>-6</sup> mbar·l·s <sup>-1</sup>
<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>	available (max. 16 bar)
<b>media</b>	gaseous - liquid - highly viscous - gelatinous - contaminated	
<b>abrasive media</b>		upon request
<b>damping</b>	opening	
	closing	available
<b>flow direction</b>	A ⇄ B as marked	bi-directional (max. 16 bar)
<b>switching cycles</b>	1/min 90	
<b>switching time</b>	ms opening 520 closing 150	
<b>media temperature</b>	°C DC: -20 to +100 AC: -20 to +100	-40 to +160 -40 to +160
<b>ambient temperature</b>	°C DC: -20 to +80 AC: -20 to +80	
<b>limit switches</b>		inductive / mech. (depend. on temperature)
<b>manual override</b>		available
<b>approvals</b>		LR/GL/WAZ
<b>mounting</b>		mounting brackets
<b>weight</b>	kg MK 14,0 FK 18,0	
<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.

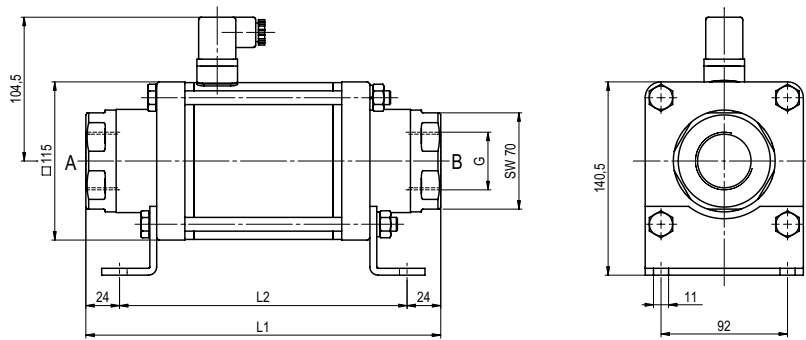
**⚠** If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

	electrical specifications	options
<b>nominal voltage</b>	U <sub>n</sub> DC 24 V U <sub>n</sub> AC 230 V 40-60 Hz	special voltage upon request special voltage upon request
<b>actuation</b>	DC direct-current magnet AC direct-current magnet with integrated rectifier	above 100 °C with separate rectifier
<b>insulating 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 x90° / wire diameter 6-8 mm	terminal box M16x1,5
<b>optional additional equipment</b>	illuminated plug with varistor	
<b>current consumption</b>	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
<b>explosion proof</b>		
<b>limit switches</b>	inductive (I) inductive (B) mechanical	normally open-PNP normally open-PNP 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	L1	L2	L3
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

