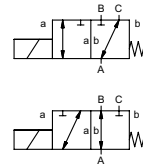


coaxial valve

type **MK 25 DR** **FK 25 DR**



3/2 way valve direct acting
pressure range PN 0-40 bar
orifice DN 25 mm
connection thread/flange
function valve normally closed (A ► B)
 symbol **NC**
 valve normally open (A ► B)
 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, switching overlap
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
- inlet pressure at A, B or C
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

	general specifications		options
ports	MK	threads G 1 - G 1 1/2	special threads
	FK	flanges PN 16 / 40	special flanges
function		NC	NO
pressure range	bar	0-16 / 0-40	
		A ⇒ B max. 40 / B ⇒ A max. 16 / A ⇒ C max. 40 / C ⇒ A max. 40	
Kv value	m ³ /h	11,2	
vacuum	leak rate		< 10 ⁻⁶ mbar•l•s ⁻¹
pressure-vacuum	P ₁ ⇄ P ₂		upon request
back pressure	P ₂ > P ₁	see pressure range	
media		gaseous - liquid - highly viscous - gelatinous - contaminated	
abrasive media			upon request
damping	opening		
	closing		
flow direction		see pressure range	
switching cycles	1/min	130	
switching time	ms	opening 130 closing 130	
media temperature	°C	DC: -20 to +80	-40 to +160
		AC: -20 to +80	-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	kg	MK 9,2 FK 12,0	
additional equipment			upon request

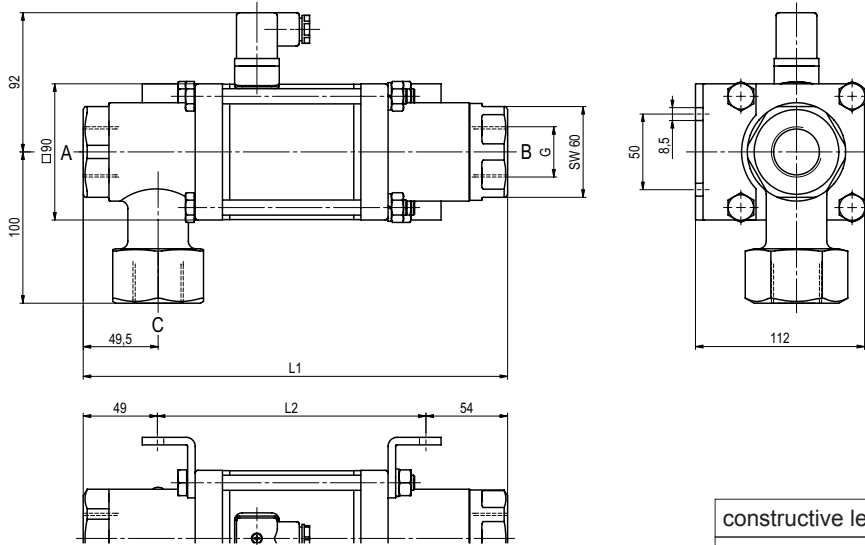
⚠ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

⚠ 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.

	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 form A, 4 positions x90° / wire diameter 6-8 mm	terminal box M16x1,5
optional additional equipment	M12x1	connector acc. DESINA illuminated plug with varistor	connector acc. VDMA
current consumption	N-coil	DC 24 V 2,66 A	
		AC 230 V 40-60 Hz 0,36 A	
	H-coil		DC 24 V 2,66 A
			AC 230 V 40-60 Hz 0,36 A
explosion proof			
limit switches		inductive (I)	normally open-PNP
		inductive (B)	normally open-PNP
		mechanical	single pole double throw-SPDT

type **MK 25 DR**

function: **NC**
closed when not energized (A ► B)



constructive length	L1	L2	L3
standard	281	178	337
with 1/2 inductive limit switches	322	219	378
with manual emergency (Hd)/ Hd and 1/2 ind. limit switches	334	231	390
with mechanical limit switches	322	219	378

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	115	85	14
40	EN 1092-1	115	85	14

type **FK 25 DR**

function: **NO**
open when not energized (A ► B)

