

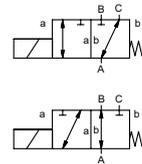
coaxial valve

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, intersecting switch-over

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: -40 to +80 AC: -40 to +80	-40 to +160 -40 to +160
ambient temperature	°C	DC: -40 to +80 AC: -40 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.

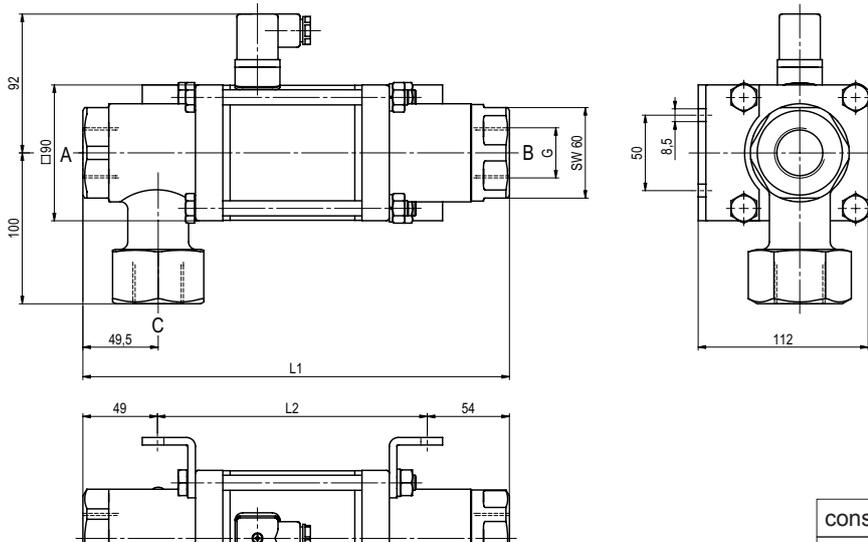
△ If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

	electrical specifications		options
nominal voltage	U _n	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	M12x1	connector acc. DESINA illuminated plug with varistor	connector acc. VDMA
current consumption	N-coil	24 V DC 2,66 A 230 V 40-60 Hz AC 0,36 A	
	H-coil		24 V DC 2,66 A 230 V 40-60 Hz AC 0,36 A
explosion proof			
limit switches		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 25 DR

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

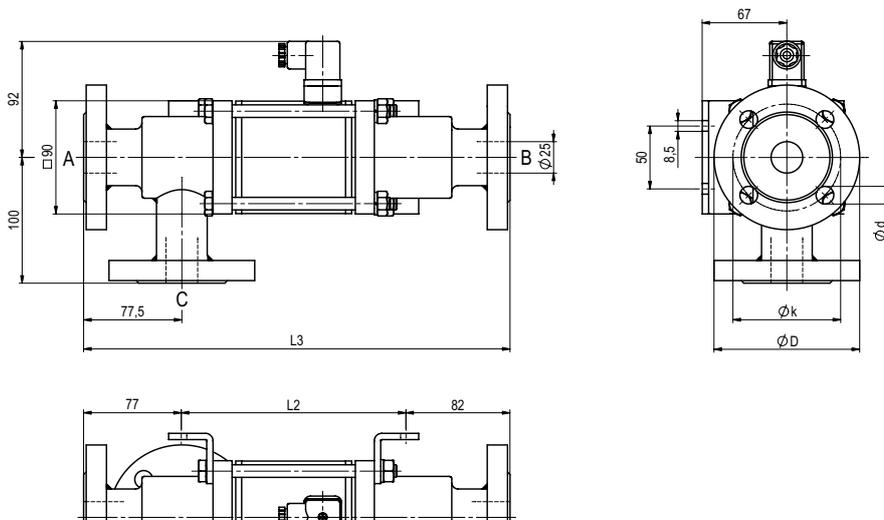


constructive length	L ₁	L ₂	L ₃
standard	281	178	337
with 1/2 inductive limit switches	322	219	378
with manual emergency (Hd)/ Hd and 1/2 ind. limit switches	334	231	390
with mechanical limit switches	322	219	378

flanges PN	DIN	øD	øk	ød
16	2633	115	85	14
40	2635	115	85	14

type FK 25 DR

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



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.