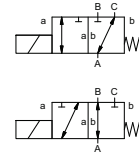


coaxial valve

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 FK flanges PN 16 / 40	special threads 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	upon request
pressure-vacuum	P ₁ ⇔ P ₂	upon request
back pressure	P ₂ > P ₁ see pressure range	
media	gaseous - liquid - highly viscous - gelatinous - contaminated	upon request
abrasive media		upon request
damping	opening closing	
flow direction	see pressure range	
switching cycles	1/min 130	
ms	opening 130 closing 130	
media temperature	°C DC: -20 to +80 AC: -20 to +80	-40 to +160 -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.

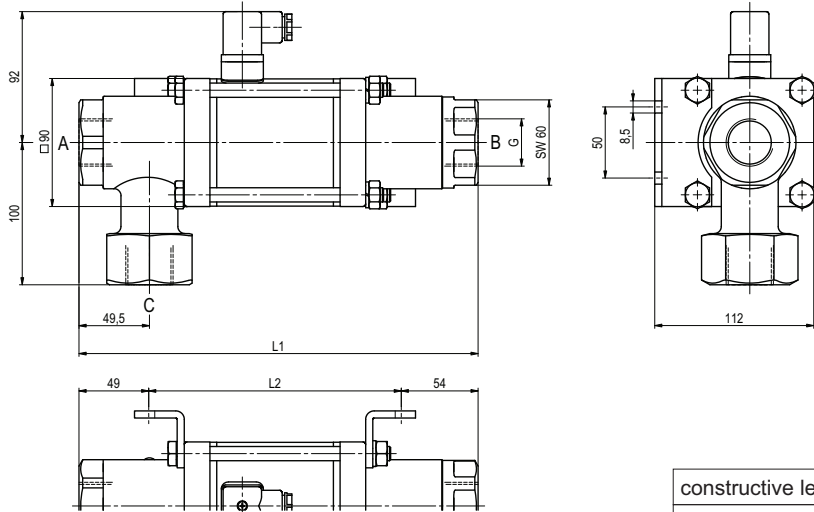
If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

	electrical specifications	options
nominal voltage	U _n DC 24 V U _n AC 230 V 40-60 Hz	special voltage upon request 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%	terminal box M16x1,5
connection	plug acc. DIN EN 175301-803 form A, 4 positions x90° / wire diameter 6-8 mm	
optional	M12x1 connector acc. DESINA	connector acc. VDMA
additional equipment	illuminated plug with varistor	
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) 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	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)

