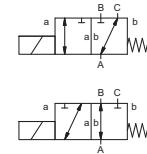


coaxial valve

type MK 10 DR



3/2 way valve	direct acting
pressure range	PN 0-25 bar
orifice	DN 10 mm
connection	thread
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	<table border="0"> <tr> <td>① brass</td> <td>②</td> </tr> <tr> <td>③ brass, nickel plated</td> <td>⑤</td> </tr> <tr> <td>④</td> <td>⑥ stainless steel</td> </tr> </table>	① brass	②	③ brass, nickel plated	⑤	④	⑥ stainless steel
① brass	②						
③ brass, nickel plated	⑤						
④	⑥ stainless steel						
valve seat	synthetic resin on metal						
seal materials	NBR						
	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

ports	MK	threads G 1/4 - G 3/4	special threads
function	NC	NO	
pressure range	bar	0-16 / 0-25 A ⇒ B max. 25 / B ⇒ A max. 16 / A ⇒ C max. 25 / C ⇒ A max. 25	
Kv value	m³/h 2,6		
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 - contaminated	
abrasive media damping	opening		
	closing		
flow direction	see pressure range		
switching cycles	1/min 200		
switching time	ms opening 40 closing 25		
media temperature	°C DC: -10 to +80 AC: -10 to +80	-30 to +120	
ambient temperature	°C DC: -10 to +80 AC: -10 to +80	-30 to +120	
limit switches			
manual override		LR/GL/WAZ	
approvals		mounting brackets	
mounting			
weight	kg MK 2,2	upon request	
additional equipment			

electrical specifications

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	
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	M12x1 connector acc. DESINA	connector acc. VDMA
additional equipment	illuminated plug with varistor	
current consumption	N-coil DC 24 V 1,00 A AC 230 V 40-60 Hz 0,13 A	
	H-coil DC 24 V 1,29 A AC 230 V 40-60 Hz 0,16 A	
explosion proof		
limit switches		

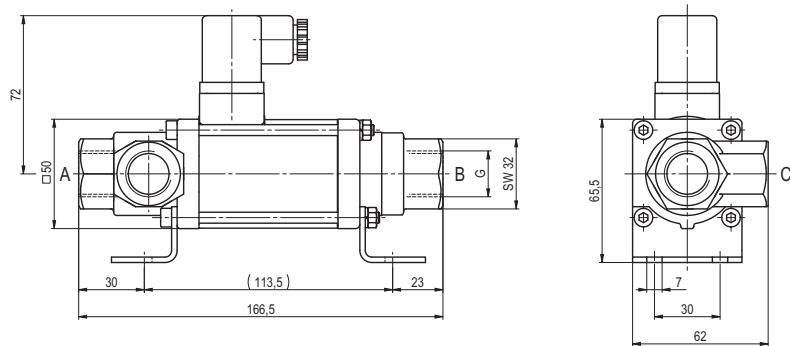
⚠ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

⚠ 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.

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

type MK 10 DR

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



type MK 10 DR

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

