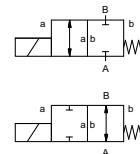


coaxial valve

type MK 10



2/2 way valve	direct acting
pressure range	PN 0-40 bar
orifice	DN 10 mm
connection	thread
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
	③ brass, nickel plated	⑤
	④	⑥ stainless steel
	⑦ aluminium	

valve seat synthetic resin on metal
seal materials NBR

FPM, CR, EPDM

details needed

- orifice
- port
- function NC/NO
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

general specifications

ports	MK	threads G 1/4 - G 3/4
function	NC	NO
pressure range	bar 0-16 / 0-40	
Kv value	m³/h 2,5	
vacuum	leak rate < 10 ⁻⁶ mbar·l·s ⁻¹	
pressure-vacuum	P ₁ ↔ P ₂	upon request
back pressure	P ₂ > P ₁	available (max. 16 bar)
media		gaseous - liquid - contaminated

abrasive media damping		
opening		
closing		
flow direction	A → B	as marked
switching cycles	1/min	200
switching time	ms	opening 25 closing 25
media temperature	°C	DC: -10 to +100 AC: -10 to +100
ambient temperature	°C	DC: -10 to +80 AC: -10 to +80
limit switches		inductive
manual override		
approvals		LR/GL/WAZ
mounting		mounting brackets
weight	kg	MK 1,5
additional equipment		upon request

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	
explosion proof	H-coil DC 24 V 1,29 A	
	AC 230 V 40-60 Hz 0,16 A	
limit switches	inductive (B)	normally open-PNP

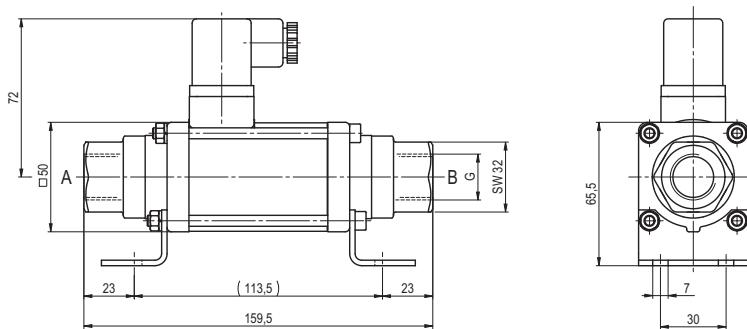
⚠ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

⚠ 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

function: **NC**
closed when not energized



type MK 10

function: **NO**
open when not energized

