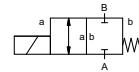


coaxial valve

type KB 15



2/2 way valve direct acting
pressure range PN 0-400 bar
orifice DN 2-8 mm
connection thread
function valve
valve normally closed
symbol NC



⚠ Above stated body materials refer to the valve port connections that get in contact with the media only!

design direct acting, with spring return
body materials ⑧ 1.4104/steel, nickel plated ②
③ ⑤
④ ⑥ stainless steel, steel, nickel plated
valve seat synthetic resin on metal
seal materials NBR, PTFE FPM

details needed

- orifice
- port
- function NC
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage
- switching cycles

general specifications

ports	KB	threads G 3/8	options
function	NC (1-coil operation)	NC (2-coil operation)	
pressure range	bar	30 50 80 120 250 300 40 70 100 150 300 400	
	DN	8 6 5 4 3 2 8 6 5 4 3 2	
Kv value	l/min	24,0 17,4 13,5 11,0 4,1 1,7 24,0 17,4 13,5 11,0 4,1 1,7	
vacuum	leak rate	< 10 ⁻⁶ mbar·l·s ⁻¹	
pressure-vacuum	P ₁ ↔ P ₂	upon request	
back pressure	P ₂ > P ₁	upon request	
media		gaseous - liquid	
abrasive media			
damping	opening		
	closing		
flow direction	A → B	as marked	bi-directional upon request
switching cycles	1/min	260	370
switching time	ms	opening 60	opening 40
		closing 170	closing 120
media temperature	°C	DC: -20 to +100	<40 °C / -196 °C and >100 °C upon request
		AC: -20 to +100	<40 °C / -196 °C and >100 °C upon request
ambient temperature	°C	DC: -20 to +80	
		AC: -20 to +80	
limit switches			
manual override			
approvals			
mounting			
weight	kg	2,5	WAZ
additional equipment			upon request

electrical specifications

nominal voltage	U _n	DC 24 V	options
	U _n	AC 230 V 40-60 Hz	special voltage upon request
actuation	DC	direct-current magnet	special voltage upon request
	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% (upon request)	
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 illuminated plug with varistor	connector acc. VDMA
additional equipment			
current consumption	1-coil	DC 24 V 2,30 A	
	operation	AC 230 V 40-60 Hz 0,24 A	
	2-coil	pick up power	DC 24 V 5,90 A / AC 230 V 0,76 A
	operation	holding power	DC 24 V 1,58 A / AC 230 V 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 KB 15

function: **NC**
closed when not energized

