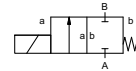


coaxial valve

type KB 20



2/2 way valve direct acting
pressure range PN 0-50 bar
orifice DN 8-14 mm
connection thread
function 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,
valve seat synthetic resin on metal steel nickel plated
seal materials NBR, PTFE FPM

details needed

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

	general specifications	options
ports	KB threads G 1/2	special threads NPT 1/2
function	NC	
pressure range	bar 50 35 25 15	
	DN 8 10 12 14	
Kv value	m ³ /h 1,8 2,5 2,9 3,2	
vacuum	leak rate	< 10 ⁻⁶ mbar·l/s ⁻¹
pressure-vacuum	P ₁ ↔ P ₂	
back pressure	P ₂ > P ₁	
media	gaseous - liquid	
abrasive media		
damping	opening	
	closing	
flow direction	A ↔ B as marked	
switching cycles	1/min 150	
switching time	ms opening 120 closing 270	
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	WAZ	
mounting		
weight	kg 3,5	
additional equipment		

⚠ 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	M12x1 connector acc. DESINA	connector acc. VDMA
additional equipment	illuminated plug with varistor	
current consumption	24 V DC 2,64 A	
	230 V 40-60 Hz AC 0,30 A	
explosion proof		
limit switches		

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

type **KB 20**

function: **NC**
closed when not energized

