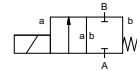


coaxial valve

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 pressure balanced, with spring return
body materials ① 1.4104/steel, nickel plated ②
 ③ ④ ⑤
 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

general specifications

options

ports	KB	threads G 1/2	special thread 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			

electrical specifications

options

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	above 100 °C with separate 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 additional equipment	M12x1	connector acc. DESINA	connector acc. VDMA
current consumption		illuminated plug with varistor	
		DC 24 V 2,64 A	
		AC 230 V 40-60 Hz 0,30 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 20**

function: **NC**
closed when not energized

