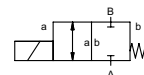


coaxial valve

type KB 15 Ex



2/2 way valve
pressure range PN 0-100 bar
orifice DN 2-8 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,
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 3/8	special threads				
function	NC						
pressure range	bar	10	10	16	30	50	100
	DN	8	6	5	4	3	2
Kv value	l/min	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	210					
switching time	ms	opening		100			
		closing		175			
media temperature	°C	DC: -20 to +40					
		AC: -20 to +40					
ambient temperature	°C	DC: -20 to +40					
		AC: -20 to +40					
limit switches							
manual override							
approvals	WAZ						
mounting							
weight	kg	2,8					
additional equipment							

electrical specifications**options**

nominal voltage	U _n	DC 24 V	special voltage
	U _n	AC 230 V 40-60 Hz	special voltage
actuation	DC	direct-current magnet	
	AC	direct-current magnet with separate rectifier outside of the explosion-proof area	sand sealed rectifier
insulating rating	H	180°C	
protection	IP65		
energized duty rating	ED	100%	
connection	M16x1,5	terminal box	
optional additional equipment			
current consumption	U _n	V-DC 24 200	48 98 110 220
	I _n	A 1,20 0,15	0,68 0,30 0,28 0,14
explosion proof	II 2 G Ex mb e II T4 II 2 D Ex tD A21 IP65 T130 °C PTB 02 ATEX 2120 X		
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 Ex**

function: **NC**
closed when not energized

