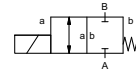



coaxial valve

type KB 15 Ex



2/2 way valve direct acting
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,
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 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		

 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
	U _n 230 V 40-60 Hz AC	special voltage
actuation	DC direct-current magnet	
	AC direct-current magnet with separate rectifier outside of the explosion-proof area	sand sealed rectifier
insulation 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	0,60 0,30 0,28 0,14
explosion proof	II 2 G Eex me II T4 and II 2 D IP65 T 130°C PTB 02 ATEX 2120 X	
limit switches		

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

type **KB 15 Ex**

function: **NC**
closed when not energized

