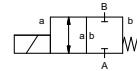



coaxial valve

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 ① 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			

 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	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		II 2 G Ex mb II T4
limit switches			

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

type **KB 15 Ex**

function: **NC**
closed when not energized

