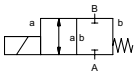
coaxial valve
type KB 15 Ex

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	$P_1 \Leftrightarrow P_2$		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.

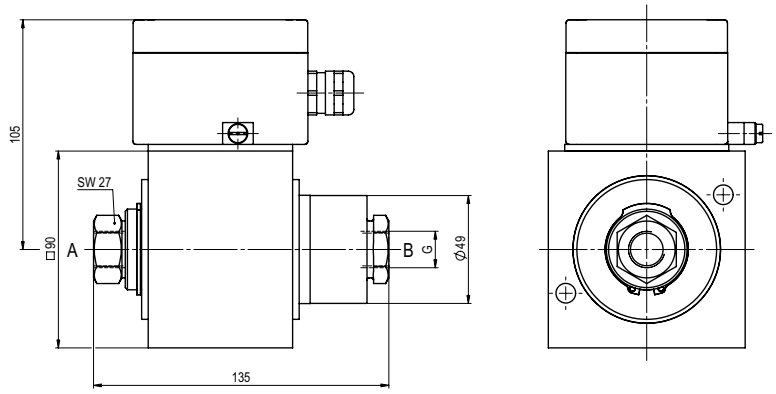
⚠ If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

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



The application-specific layout relating to temperature, pressure conditions, switching behavior, media and its consistency may restrict the range of use or necessitate relevant modifications to materials used and seal arrangements.

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