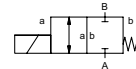



coaxial valve

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,
 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	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						
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

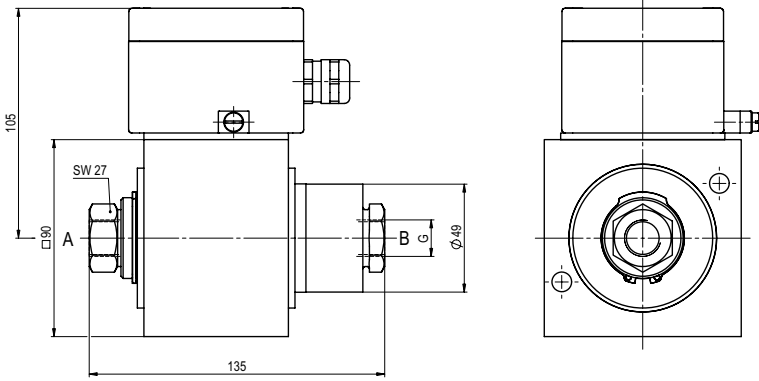
 The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

 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



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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